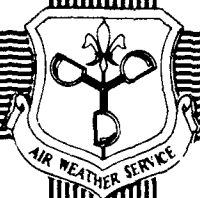


AD-A247 445



2



# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

## ILLESHEIM, GERMANY

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



### NOVEMBER 1991

92-06497



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REPORT DOCUMENTATION PAGE

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, ILLESHEIM AIN, GERMANY, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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III

#### PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: SEP 76 - AUG 91 (METAR).

SUMMARY OF DAY DATA: MAR 59 - JUL 91 (PART TIME).

HOURS SUMMARIZED: 0600 LST THROUGH 1700 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).



STATION NO. ON SUMMARY 107520		STATION NAME ILLESHEIM AIN, GERMANY	LATITUDE N 49 28		LONGITUDE E 010 23	FLD ELEV (FT) 1065	CALL SIGN EDIK	WMO NMBR 10752		
STATION LOCATION AND INSTRUMENTATION HISTORY										
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME		Type of Station	At This Location ----- From      To		LATITUDE	LONGITUDE	Elev Above MSL ----- FLD (FT)    BARO (FT)		OBS PER DAY
1	Illesheim AAF, Germany		AAF	Mar 59	Apr 61	N 49 28	E 010 23	1060	1130	12
2	Same		AAF	Apr 61	Jul 86	Same	Same	1066	Same	12
3	Illesheim AIN, Germany		AIN	Aug 86	Jan 88	Same	Same	1065	Same	18



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		10.3	.8	9.7		20.7	49.8	.3			70.9	632
09-11		10.7	.9	12.5		24.0	40.1	4.0			68.1	778
12-14		10.4	.7	9.1		20.3	32.5	7.8			60.5	844
15-17		11.4	.4	10.8		22.5	29.9	8.3			60.7	817
18-20												0
21-23												0
ALL HOURS		10.7	.7	10.5		21.9	37.3	5.4			64.6	3071

MONTH: FEB

00-02												0
03-05												0
06-08		11.0	.4	8.7		20.2	51.9	1.0			73.0	526
09-11		7.9		15.0		22.9	38.0	10.7			71.6	726
12-14		9.2	.1	12.3		21.6	27.8	14.7			64.1	819
15-17		11.3		10.6		21.9	20.0	17.5			59.4	789
18-20												0
21-23												0
ALL HOURS		9.8	.1	11.9		21.7	32.7	11.9			66.4	2860

A - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		15.2		4.1		19.3	44.1	2.1			65.5	653
09-11		14.4		4.4		18.8	29.6	13.3			61.7	835
12-14		10.8		3.8		14.6	14.2	21.0			49.8	917
15-17		10.0		2.4		12.5	9.1	20.9			42.5	898
18-20												0
21-23												0
ALL HOURS		12.4		3.7		16.0	22.6	15.3			54.0	3303

MONTH: APR

00-02												0
03-05												0
06-08		13.8		4.0		17.8	42.0	9.0			68.8	602
09-11		13.4		3.1		16.5	18.9	21.2			56.6	768
12-14	.2	14.0		1.3	.1	15.5	6.5	15.2			37.2	834
15-17	.4	12.1		2.0		14.1	3.6	9.6			27.3	688
18-20												0
21-23												0
ALL HOURS	.2	13.3		2.5	.0	15.9	16.5	14.2			46.6	2892

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

HOURS (LST)	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		12.6		.1		12.7	34.6	7.5			54.8	677
09-11		13.4				13.4	11.2	11.5		.1	36.3	797
12-14	.6	14.3		.4		14.6	4.8	5.5			24.9	800
15-17	1.8	15.4			.2	15.5	2.2	4.8			22.5	599
18-20												0
21-23												0
ALL HOURS	.6	13.9		.1	.0	14.0	13.0	7.5		.0	34.6	2873

MONTH: JUN

00-02												0
03-05												0
06-08		10.9				10.9	28.1	8.3			47.3	659
09-11	.4	9.2				9.2	9.6	9.7			28.5	752
12-14	.7	9.2				9.2	3.6	6.5			19.3	751
15-17	2.0	7.7			.2	7.9	2.3	4.1			14.3	560
18-20												0
21-23												0
ALL HOURS	.7	9.3			.0	9.3	10.9	7.3			27.6	2722

A - 2 - 3



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	.4	8.6				8.6	34.5	8.9			52.0	742
09-11	.1	11.0				11.0	8.6	17.1			36.7	856
12-14	.4	10.5				10.5	2.2	8.4			21.1	850
15-17	1.4	8.2				8.2	1.6	6.6			16.4	623
18-20												0
21-23												0
ALL HOURS	.5	9.7				9.7	11.7	10.6			31.9	3071

MONTH: AUG

00-02												0
03-05												0
06-08	.1	6.3				6.3	43.5	4.6			54.4	805
09-11		7.4				7.4	14.0	17.6			39.1	891
12-14	.3	6.7				6.7	3.8	12.0			22.6	890
15-17	.4	8.0				8.0	1.9	9.3			19.1	700
18-20												0
21-23												0
ALL HOURS	.2	7.1				7.1	15.9	11.1			34.1	3286

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		10.6				10.6	60.9	1.6			73.2	745
09-11		6.9				6.9	33.6	15.5			56.1	779
12-14		6.7				6.7	7.6	21.0			35.3	794
15-17	.9	6.3				6.3	4.0	19.3			29.6	672
18-20												0
21-23												0
ALL HOURS	.2	7.6				7.6	26.9	14.4			48.9	2990

MONTH: OCT

00-02												0
03-05												0
06-08	.1	11.8				11.8	60.4	.7			72.9	687
09-11	.1	10.2				10.2	43.3	9.1			62.6	773
12-14		10.2				10.2	21.1	17.5			48.8	802
15-17		8.0				8.0	14.8	17.6			40.4	790
18-20												0
21-23												0
ALL HOURS	.1	10.0				10.0	33.9	11.6			55.5	3052

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	.2	15.2		6.0		21.2	45.2	.7			67.1	586
09-11		13.6		6.7		20.3	44.8	2.9			68.0	728
12-14		10.8		5.2		16.0	34.1	10.7			60.8	750
15-17		11.4		3.0		14.4	31.6	12.6			58.6	730
18-20												0
21-23												0
ALL HOURS	.0	12.6		5.2		17.8	38.6	7.1			63.4	2794

MONTH: DEC

00-02												0
03-05												0
06-08		10.7	.2	5.4		16.3	44.1	.9			61.4	533
09-11	.1	11.9	.1	9.8		21.8	37.9	2.4			62.0	808
12-14		11.7	.1	6.3		18.2	35.4	6.5			60.1	749
15-17		14.2	.5	6.4	.2	21.3	35.0	6.4			62.8	605
18-20												0
21-23												0
ALL HOURS	.0	12.1	.2	7.2	.0	19.6	37.8	4.2			61.5	2695

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		10.7	.7	10.5		21.9	37.3	5.4			64.6	3071
FEB		9.8	.1	11.9		21.7	32.7	11.9			66.4	2860
MAR		12.4		3.7		16.0	22.6	15.3			54.0	3303
APR	.2	13.3		2.5	.0	15.9	16.5	14.2			46.6	2892
MAY	.6	13.9		.1	.0	14.0	13.0	7.5		.0	34.6	2873
JUN	.7	9.3			.0	9.3	10.9	7.3			27.6	2722
JUL	.5	9.7				9.7	11.7	10.6			31.9	3071
AUG	.2	7.1				7.1	15.9	11.1			34.1	3286
SEP	.2	7.6				7.6	25.9	14.4			48.9	2990
OCT	.1	10.0				10.0	33.9	11.6			55.5	3052
NOV	.0	12.6		5.2		17.8	38.6	7.1			63.4	2794
DEC	.0	12.1	.2	7.2	.0	19.6	37.8	4.2			61.5	2695
ANNUAL	.2	10.7	.1	3.4	.0	14.1	24.7	10.2		.0	49.0	35609

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.3	28.2	1.7	21.9	.3	44.1	72.1	43.9	.2		93.4	649
FEB	.5	26.6	.5	20.1		39.8	69.1	51.8	.2		91.9	593
MAR	1.2	36.0		12.7	.9	44.0	57.3	55.7			88.6	677
APR	3.5	45.3		7.6	1.5	46.9	53.7	53.2			84.9	603
MAY	6.3	43.8		.9	.9	43.8	44.4	43.9			76.4	585
JUN	10.1	44.7			.9	44.7	46.4	47.5			80.3	575
JUL	7.5	35.4			.2	35.4	47.0	48.1			76.3	628
AUG	6.6	38.5			.2	38.5	58.0	50.6			82.6	633
SEP	2.8	33.9				33.9	68.7	59.1			89.4	601
OCT	.6	30.4		.3		30.6	77.3	58.9			92.6	638
NOV	.5	39.6	.3	13.2	.2	47.0	70.3	43.2	.2		92.9	593
DEC		32.8	.9	14.6	.3	41.7	67.6	43.6	.2		91.5	638
ANNUAL	3.3	36.1	.3	7.7	.4	40.8	61.1	50.0	.1		86.8	7413

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08							.4	.1		.1	.2	
09-11						.4	.1			.1		.1
12-14				.2	.6	.7	.4	.3				
15-17				.4	1.8	2.0	1.4	.4	.9			
18-20												
21-23												
ALL HOURS				.2	.6	.7	.5	.2	.2	.1	.0	.0
TOTAL OBS	3071	2860	3303	2892	2873	2722	3071	3286	2990	3052	2794	2695

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS							
LIQUID PRECIP	7.9	2.1		2.4	31.0	56.5	329
FREEZING PRECIP	42.9		14.3	33.3		9.5	21
FROZEN PRECIP	8.1	.3	9.1	9.1	13.9	59.5	296
FOG	32.3	.1	4.4	28.1	16.4	18.7	1145
FOG WITH VIS GE 1/2 MILES	29.2	.1	4.5	29.1	17.4	19.7	1082
TOTAL OBS	500	17	117	474	555	1019	0 2682

MONTH: FEB HOURS: ALL

TSTMS							
LIQUID PRECIP	6.8	4.7	1.8	2.9	29.0	54.8	279
FREEZING PRECIP	66.7				33.3		3
FROZEN PRECIP	16.3	.6	24.1	18.4	7.5	33.1	320
FOG	31.9	.1	13.6	32.0	8.7	13.8	935
FOG WITH VIS GE 1/2 MILES	29.7	.1	14.3	32.2	9.2	14.6	883
TOTAL OBS	496	47	286	667	346	687	0 2529

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO JTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS							
LIQUID PRECIP	8.6	2.5	4.9	3.7	25.5	54.9	408
FREEZING PRECIP							
FROZEN PRECIP	11.1	2.8	17.6	12.0	10.2	46.3	108
FOG	33.3	.7	12.7	19.5	6.7	27.0	747
FOG WITH VIS GE 1/2 MILES	30.8	.7	13.3	19.1	7.3	28.9	686
TOTAL OBS	428	79	309	442	441	1075	0 2774

MONTH: APR HOURS: ALL

TSTMS			40.0			60.0	5
LIQUID PRECIP	6.5	2.3	19.1	4.7	10.4	56.9	383
FREEZING PRECIP							
FROZEN PRECIP	11.1	1.9	24.1			63.0	54
FOG	29.9	1.0	13.4	17.4	2.5	35.8	478
FOG WITH VIS GE 1/2 MILES	28.4	1.1	13.8	17.3	2.6	36.8	457
TOTAL OBS	357	83	385	448	166	898	0 2337



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	6.3	6.3	6.3	37.5	12.5	31.3	16
LIQUID PRECIP	5.2	1.0	15.1	3.1	11.9	63.6	385
FREEZING PRECIP							
FROZEN PRECIP						100.0	2
FOG	37.2	.3	13.9	13.4	3.7	31.6	374
FOG WITH VIS GE 1/2 MILES	36.9	.3	13.8	13.3	3.8	32.0	369
TOTAL OBS	305	104	306	480	242	792	0 2229

MONTH: JUN HOURS: ALL

TSTMS				15.8	26.3	57.9	19
LIQUID PRECIP	5.4	1.7	10.7	4.5	8.3	69.4	242
FREEZING PRECIP							
FROZEN PRECIP							
FOG	32.0		7.7	11.1	2.0	47.1	297
FOG WITH VIS GE 1/2 MILES	30.7		7.9	11.0	2.1	48.3	290
TOTAL OBS	270	78	248	273	163	1002	0 2034

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	6.3		12.5	25.0	18.8	37.5	16
LIQUID PRECIP	6.2	1.7	5.2	5.5	12.8	68.5	289
FREEZING PRECIP							
FROZEN PRECIP							
FOG	39.6	.3	10.3	5.0	5.6	39.3	359
FOG WITH VIS GE 1/2 MILES	38.9	.3	10.5	4.8	5.7	39.8	352
TOTAL OBS	415	125	298	282	177	993	0 2290

MONTH: AUG HOURS: ALL

TSTMS	14.3				14.3	71.4	7
LIQUID PRECIP	7.5	2.2	5.3		11.4	73.7	228
FREEZING PRECIP							
FROZEN PRECIP							
FOG	45.4	.2	5.7	6.7	3.1	38.9	522
FOG WITH VIS GE 1/2 MILES	42.6	.2	6.1	6.9	3.2	41.0	495
TOTAL OBS	461	81	206	297	188	989	0 2222

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS		33.3	16.7			50.0	6
LIQUID PRECIP	8.0	6.7	16.5	4.0	10.3	54.5	224
FREEZING PRECIP							
FROZEN PRECIP							
FOG	46.0	.4	8.8	13.8	3.5	27.5	803
FOG WITH VIS GE 1/2 MILES	42.2	.4	9.6	14.4	3.4	29.9	729
TOTAL OBS	585	104	261	289	216	895	0 2350

MONTH: OCT HOURS: ALL

TSTMS						100.0	2
LIQUID PRECIP	4.3	4.6	9.2	6.3	19.5	56.1	303
FREEZING PRECIP							
FROZEN PRECIP							
FOG	36.1	.4	6.9	29.3	8.6	18.7	1036
FOG WITH VIS GE 1/2 MILES	28.6	.4	7.3	32.4	9.8	21.5	896
TOTAL OBS	510	86	184	596	395	774	0 2545

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS						100.0	1
LIQUID PRECIP	6.6	3.1	8.3	2.8	15.1	64.1	351
FREEZING PRECIP							
FROZEN PRECIP	8.6	1.6	25.0	10.2	3.1	51.6	128
FOG	29.4	.3	9.8	23.0	12.9	24.6	1078
FOG WITH VIS GE 1/2 MILES	25.9	.3	10.5	23.6	13.7	26.0	1004
TOTAL OBS	436	33	213	387	384	926	0 2379

MONTH: DEC HOURS: ALL

TSTMS						100.0	1
LIQUID PRECIP	8.6	7.3	1.2	2.1	21.7	59.0	327
FREEZING PRECIP	33.3			66.7			6
FROZEN PRECIP	7.4	1.7	13.1	10.9	7.4	59.4	175
FOG	25.4	.6	5.9	34.9	12.5	20.7	1020
FOG WITH VIS GE 1/2 MILES	24.6	.6	6.0	35.1	12.7	20.9	993
TOTAL OBS	412	60	123	536	369	832	0 2332

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	4.1	4.1	8.2	17.8	15.1	50.7	73
LIQUID PRECIP	6.8	3.2	8.2	3.5	17.7	60.6	3748
FREEZING PRECIP	43.3		10.0	36.7	3.3	6.7	30
FROZEN PRECIP	10.9	1.1	17.6	12.1	8.6	49.7	1083
FOG	34.0	.4	8.9	22.8	8.8	25.1	8794
FOG WITH VIS GE 1/2 MILES	31.1	.4	9.3	23.3	9.3	26.6	8236
TOTAL OBS	5175	897	2936	5171	3642	10882	0 28703



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	BBBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	BBBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBBB

B - 1 - 1

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.



NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	37.0	42.2	41.5	41.9	42.3	43.5	54.0	52.5	54.9	56.0	39.9	35.8	45.2
TRACE	18.3	13.7	18.2	16.0	12.6	11.6	8.8	9.9	11.6	11.1	17.2	20.6	14.1
.01	4.6	6.3	5.6	4.5	4.1	2.6	3.2	3.9	3.4	3.9	5.0	5.2	4.4
.02-.05	17.5	14.5	13.6	11.7	12.6	11.8	10.0	9.4	9.9	10.7	15.1	14.1	12.6
.06-.10	9.0	8.0	7.5	8.6	7.1	5.7	5.5	4.9	6.0	4.4	5.8	8.0	6.7
.11-.25	8.4	9.0	9.0	10.0	9.9	9.9	8.8	7.5	6.9	7.1	10.0	8.9	8.8
.26-.50	4.3	5.0	2.9	4.8	6.3	7.8	5.5	7.8	4.2	3.5	5.8	5.3	5.2
.51-1.00	.8	1.3	1.7	2.2	4.1	6.1	4.0	3.0	1.9	2.7	1.1	2.2	2.6
1.01-2.50	.2			.3	.9	1.1	.2	1.0	1.1	.6			.5
2.51-5.00										.2			.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	44.7	44.2	40.3	42.1	45.1	44.9	37.1	37.7	33.4	32.9	42.9	43.6	40.7
TOTAL NO. OF OBSERVATIONS	656	600	697	642	634	619	657	690	619	666	617	640	7737

B - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
62								.24	.51	.10	.35	1.01	2.21*
63	.73	.46	.92	.18	.11	.24	.06	.70	.12	.07	.50	.12	4.21
64	.05	.20*	.40	.01*	.13*	.02	.01	.14	.32	.46	.40	.61	2.75*
65	.72*	.67	.52	2.59	3.12	5.01	2.24	.84	.38*	.04	2.16	1.86*	20.15*
66	.45	1.43*	.94	1.55	.21	.49	.63	2.26	.93	.87	.24	.29	10.29*
67	.26	.03	.91	1.57	1.63	1.72	.77	3.29	.97	1.97	.85	1.12	15.09
68	2.01	1.49	1.20	1.89	2.55	1.79*	1.53*	4.49*	3.57*	2.05*	.73*	.76*	24.06*
69	.76*	1.35*	1.19*	1.31	1.93*	4.69*	1.90	3.00	.27	.06	1.85	1.01	19.32*
70	1.32	3.05	.87	2.18	1.38*	2.75*	1.86*	1.07*	.98	1.84	1.15	1.15	19.60*
71	.71*	.36*	.56*	.95*	3.62*	3.67*	.46*	2.03*	1.02*	1.20*	1.44*	.66*	16.68*
72	.75*	.20*	1.24*	2.00*	1.13*	3.73*	1.77*	2.52*	.74*	.03*	1.57*	.40*	16.08*
73	.08*	1.08*	.34*	1.75*	1.58*	1.43*	1.55*	1.22*	.57*	1.78*	.82*	.59*	12.79*
74	.76*	.34*	.23*	.57*	2.31*	1.87*	2.54*	1.72*	2.40*	3.37*	.89*	2.28*	19.28*
75	1.07*	.35*	.92*	.81*	.76*	2.90*	1.03*	4.29*	1.22*	1.77*	.97*	.68*	16.77*
76	1.97*	.51*	.69*	.45*	1.08*	.93*	.98*	1.33*	2.39	.49*	1.15*	1.18*	13.15*
77	1.73*	1.84*	1.04*	1.43*	1.48*	2.39*	1.44*	3.56*	1.11*	1.36*	2.67*	.95*	21.00*
78	.77*	.72*	1.47*	1.03*	4.67*	1.76*	2.25*	2.94*	2.07*	1.86*	.14*	1.18*	20.86*
79	2.08*	.73*	2.04*	1.86*	1.14*	1.54*	2.09*	2.35*	1.45*	.46*	2.47*	2.21*	20.42*
80	1.18*	1.27*	.32*	2.11*	1.20*	1.67*	4.11*	.67*	2.23*	2.03*	.44*	1.06*	18.29*
81	1.16*	1.24*	1.33*	.22*	3.36*	3.28*	1.49*	2.90*	3.39*	4.00*	1.41*	3.30*	27.08*
82	.97*	.60*	1.02*	1.00*	2.04*	2.21*	2.90*	1.52*	.42*	2.58*	1.18*	2.20*	18.64*
83	1.25*	1.39*	1.33*	4.03*	3.61*	2.28*	.45*	1.08*	.64*	1.29*	1.13*	.75*	19.23*
84	1.16*	1.01*	.06*	.67*	3.43*	2.74*	2.10*	1.49*	1.62*	.24*	.05*	1.37*	15.94*
85	.75*	.96*	1.44*	1.92*	3.26*	2.15*	2.23*	2.93*	1.86*	.14*	1.79*	1.64*	21.07*
86	2.48*	.83*	1.75*	2.30*	3.07*	1.71*	2.67*	2.40*	1.51*	3.01*	1.05*	1.63*	24.41*
87	1.09*	1.21*	1.95*	.86*	2.70*	4.09*	1.65*	2.66*	1.96*	1.40*	1.53*	.78*	21.88*
88	3.04*	3.61*	4.88*	1.29*	1.46*	1.20*	1.85*	.09*	1.35*	2.37*	1.58*	3.21*	25.93*
89	.93*	1.18*	1.10*	3.82*	1.72*	2.03*	1.83*	1.65*	1.21*	1.97*	1.40*	2.10*	20.94*
90	.71*	2.72*	.84*	1.02*	.20*	3.59*	1.76*	1.21*	3.04*	2.11*	2.07*	.98*	20.25*
91	.83*	.14*	.93*	.38*	1.43*	3.75*	.68*						8.14*

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

[illegible]

THE GREATEST VALUE OF 5.01 OCCURRED ON 06/65

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
62								.20	.23	.10	.09	.35	.35*
63	.20	.11	.64	.06	.08	.10	.02	.47	.11	.05	.28	.08	.64
64	.03	.08*	.20	.01*	.03*	.02	.01	.08	.11	.15	.11	.13	.20*
65	.30*	.12	.11	.57	.94	1.50	.81	.28	.17*	.02	.33	.54*	1.50*
66	.15	.52*	.33	.64	.04	.35	.27	.72	.55	.40	.12	.15	.72*
67	.10	.01	.48	.66	.70	.45	.19	.74	.23	.70	.22	.53	.74
68	.50	.30	.42	.82	1.00	.60*	.59*	1.26*	.71*	.50*	.23*	.21*	1.26*
69	.24*	.23*	.29*	.39	.49*	1.26*	.93	.45	.11	.02	.43	.22	1.26*
70	.27	.43	.20	.61	.44*	.78*	.39*	.37*	.57	.58	.32	.37	.78*
71	.40*	.13*	.16*	.89*	1.09*	1.57*	.22*	.56*	.40*	.76*	.45*	.23*	1.57*
72	.23*	.10*	.61*	.66*	.28*	1.03*	.70*	1.17*	.35*	.02*	.64*	.40*	1.17*
73	.03*	.32*	.17*	.88*	.48*	.33*	.57*	.53*	.50*	.70*	.30*	.20*	.88*
74	.25*	.12*	.06*	.45*	.74*	.56*	.75*	.64*	1.63*	.87*	.27*	.53*	1.63*
75	.24*	.29*	.13*	.25*	.36*	.66*	.37*	1.37*	.41*	1.15*	.79*	.60*	1.37*
76	.46*	.26*	.28*	.28*	.59*	.40*	.40*	.68*	1.02	.26*	.49*	.29*	1.02*
77	.54*	.50*	.67*	.73*	.51*	.57*	.56*	1.57*	.48*	.63*	.44*	.41*	1.57*
78	.30*	.18*	.64*	.33*	1.40*	.81*	.93*	1.73*	.49*	.59*	.08*	.69*	1.73*
79	1.18*	.28*	.95*	.40*	.32*	.95*	.80*	.47*	.63*	.19*	.37*	.63*	1.18*
80	.38*	.65*	.14*	.80*	.59*	.67*	.94*	.23*	1.16*	.59*	.37*	.34*	1.16*
81	.53*	.58*	.63*	.08*	.81*	1.41*	.49*	1.38*	1.78*	3.41*	.46*	.57*	3.41*
82	.53*	.43*	.24*	.66*	.63*	.76*	1.75*	.35*	.32*	1.79*	.48*	.44*	1.79*
83	.31*	.29*	.30*	1.41*	.82*	.63*	.30*	.52*	.40*	.79*	.62*	.41*	1.41*
84	.22*	.28*	.03*	.25*	.72*	.94*	.67*	.61*	.96*	.06*	.05*	.63*	.96*
85	.18*	.70*	.43*	.68*	1.04*	.62*	.57*	.81*	.57*	.04*	.46*	.43*	1.04*
86	.40*	.58*	.36*	.35*	.78*	.41*	.95*	.59*	.89*	1.10*	.51*	.64*	1.10*
87	.37*	.38*	.62*	.28*	.87*	1.10*	.52*	.73*	1.40*	.74*	.38*	.49*	1.40*
88	.82*	.51*	.85*	.37*	.51*	.66*	.60*	.06*	.38*	.80*	.56*	.80*	.85*
89	.47*	.31*	.36*	1.83*	1.21*	.60*	.54*	.64*	.65*	1.07*	.96*	.63*	1.83*
90	.31*	.76*	.18*	.33*	.12*	.95*	1.00*	.31*	1.50*	.72*	.38*	.20*	1.50*
91	.22*	.11*	.22*	.17*	1.12*	.84*	.50*						1.12*

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6208-9107

MONTH: ALL      HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	1.18	.76	.95	1.83	1.40	1.57	1.75	1.73	1.78	3.41	.96	.80	3.41
TOTAL OBS	656	600	697	642	634	619	657	690	619	666	617	640	7737

THE GREATEST VALUE OF 3.41 OCCURRED ON 10/19/81

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	61.9	62.2	78.1	88.7	99.4	100.0	100.0	100.0	100.0	99.2	82.2	69.1	86.9
TRACE	20.2	15.8	11.9	7.6	.6					.8	11.2	15.3	6.9
0.1-0.4	7.6	9.8	5.2	1.7							2.0	7.0	2.7
0.5-1.4	5.9	8.2	3.7	1.4							2.7	5.6	2.3
1.5-2.4	3.0	2.5	.7	.5							1.0	2.3	.8
2.5-3.4	.9	1.0	.1								.5	.2	.2
3.5-4.4	.2	.2	.3									.2	.1
4.5-6.4	.3	.2									.3	.3	.1
6.5-10.4		.2		.2									.0
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	17.9	22.0	10.0	3.7							6.6	15.6	6.2
TOTAL NO. OF OBSERVATIONS	658	601	698	654	638	619	658	697	638	665	589	641	7756

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
62								.0	.0	.0	3.3	7.8	11.1*
63	5.4	4.5	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	11.1
64	.5	.3*	.5	TRACE	.0	.0	.0	.0	.0	.0	.5	4.6	6.4*
65	2.3*	5.6	4.1	.0	.0	.0	.0	.0	.0	.0	4.8	.3*	17.1*
66	1.6	.0*	1.9	.0	.0	.0	.0	.0	.0	.0	*	1.8	5.3*
67	2.1	.1	.1	.5	.0	.0	.0	.0	.0	.0	TRACE	4.1	6.9
68	13.4	5.1	1.3	1.5	.0	.0*	.0*	.0*	.0*	.0*	TRACE*	6.4*	27.7*
69	3.0*	12.1*	1.7*	3.1	.0*	.0*	.0	.0	.0	.0	11.5	10.6	42.0*
70	6.7	11.5	5.3	3.0	.0*	.0*	.0*	.0*	.0	TRACE	TRACE	2.4	28.9*
71	.7*	2.6*	6.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.2*	1.3*	13.3*
72	5.2*	.2*	1.3*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	3.2*	.0*	9.9*
73	TRACE*	7.1*	2.6*	8.1*	.0*	.0*	.0*	.0*	.0*	TRACE*	3.3*	2.6*	23.7*
74	.1*	.2*	.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.1*	2.0*	2.8*
75	1.5*	.4*	3.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	5.0*
76	2.0*	2.1*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0	.0*	1.1*	.2*	5.4*
77	7.3*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.7*	9.0*
78	.9*	3.5*	5.6*	2.1*	.0*	.0*	.0*	.0*	.0*	.0*	.2*	1.6*	13.9*
79	8.4*	.1*	TRACE*	.1*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.8*	10.4*
80	5.0*	TRACE*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	4.0*	9.3*
81	7.1*	2.8*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	1.0*	13.0*	23.9*
82	7.0*	2.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.3*	9.3*
83	2.4*	9.8*	1.6*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.3*	1.0*	15.1*
84	7.0*	7.6*	.2*	2.8*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.4*	18.0*
85	9.4*	8.1*	3.2*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	6.9*	4.3*	32.1*
86	5.9*	8.3*	TRACE*	.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	7.3*	21.7*
87	8.5*	4.6*	6.1*	.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	19.4*
88	TRACE*	16.6*	4.9*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	6.4*	TRACE*	27.9*
89	.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*
90	TRACE*	2.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	7.0*	9.0*
91	.0*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*						TRACE*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	6.9
GREATEST	13.4	16.6	6.5	8.1	TRACE	.0	.0	.0	.0	TRACE	11.5	13.0	42.0
MEAN	4.9	5.4	1.9	1.0	.0	.0	.0	.0	.0	TRACE	2.9	4.6	
MEDIAN	3.8	5.1	1.3	.3	.0	.0	.0	.0	.0	.0	.5	4.1	
SD	4.771	4.069	2.049	1.358	.000	.000	.000	.000	.000	.000	4.257	3.450	
TOTAL OBS	658	601	698	654	638	619	658	697	638	665	589	641	7756

THE GREATEST VALUE OF 16.6 OCCURRED ON 02/88

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 2B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
62								.0	.0	.0	.9	2.0	2.0*
63	2.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	2.0
64	.3	.3*	.5	TRACE	.0	.0	.0	.0	.0	.0	.5	1.3	1.3*
65	1.6*	1.1	1.7	.0	.0	.0	.0	.0	.0	.0	2.6	.2*	2.6*
66	.8	.0*	.8	.0	.0	.0	.0	.0	.0	.0		1.5	1.5*
67	1.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	TRACE	2.1	2.5
68	2.7	2.9	1.0	1.5	.0	.0*	.0*	.0*	.0*	.0*	TRACE*	2.0*	2.9*
69	2.4*	2.3*	1.0*	1.0	.0*	.0*	.0	.0	.0	.0	5.0	2.2	5.0*
70	2.6	1.6	2.0	1.2	.0*	.0*	.0*	.0*	.0	TRACE	TRACE	1.0	2.6*
71	.7*	1.0*	4.1*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.2*	.7*	4.1*
72	2.1*	.2*	.7*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.5*	.0*	2.1*
73	TRACE*	3.6*	1.9*	6.9*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.0*	.8*	6.9*
74	.1*	.1*	.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.1*	.6*	.6*
75	1.5*	.4*	1.1*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	1.5*
76	2.0*	2.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0	.0*	1.1*	.2*	2.0*
77	6.4*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.5*	6.4*
78	.9*	1.3*	4.3*	2.1*	.0*	.0*	.0*	.0*	.0*	.0*	.2*	1.1*	4.3*
79	2.8*	.1*	TRACE*	.1*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.1*	2.8*
80	3.1*	TRACE*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	2.0*	3.1*
81	2.0*	1.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	1.0*	6.0*	6.0*
82	5.0*	1.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.3*	5.0*
83	1.0*	2.9*	1.1*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.3*	.5*	2.9*
84	1.5*	2.6*	.2*	1.8*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.2*	2.6*
85	3.5*	7.0*	3.0*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	3.4*	4.3*	7.0*
86	2.7*	5.8*	TRACE*	.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	5.0*	5.8*
87	2.2*	3.4*	2.1*	.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	3.4*
88	TRACE*	3.2*	1.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	5.4*	TRACE*	5.4*
89	.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*
90	TRACE*	1.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.0*	2.0*
91	.0*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*						TRACE*

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6208-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	6.4	7.0	4.3	6.9	TRACE	.0	.0	.0	.0	TRACE	5.4	6.0	7.0
TOTAL OBS	658	601	698	654	638	619	658	697	638	665	589	641	7756

THE GREATEST VALUE OF 7.0 OCCURRED ON 02/11/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6101-9107  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	55.3	64.3	85.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	90.5	70.6	88.9
TRACE	7.2	10.3	5.8	.7	.1						4.0	11.6	3.2
1	8.0	8.3	3.2	.4							1.7	9.0	2.5
2	8.7	4.2	1.5	.3							1.2	2.4	1.5
3	8.6	3.2	1.2								.6	1.7	1.3
4-6	11.2	8.5	2.2	.3							1.9	4.4	2.3
7-12	1.0	1.2	.1									.5	.2
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	37.5	25.4	8.3	1.0							5.4	17.9	7.9
TOTAL NO. OF OBSERVATIONS	698	649	721	709	694	676	713	724	663	692	643	666	8248

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6101-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	3*	1*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	3*	3*
62	0*	3*	2	0	0	0	0	0	0	0	5	7	7*
63	5	8	7	0	0	0	0	0	0	0	0	1	8
64	2	1*	1	0	0	0	0	0	0	0	0	4	4*
65	2*	3	6	0	0	0	0	0	0	0	2	0*	6*
66	3	0*	1	0	0	0	0	0	0	0	TRACE	1	3*
67	4	0	*	0	0	0	0	0	0	0	0	3	4*
68	7	3	1	1	0	0*	0*	0*	0*	0*	1*	6*	7*
69	8*	5*	0*	0	0*	0*	0	0	0	0	5	6	8*
70	5	3	5	0	0*	0*	0*	0*	0	0	0	4	5*
71	4*	1*	5*	0*	0*	0*	0*	0*	0*	0*	TRACE*	1*	5*
72	2*	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	1*	0*	2*
73	TRACE*	4*	1*	5*	0*	0*	0*	0*	0*	0*	5*	4*	5*
74	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*
75	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*
76	2*	2*	0*	0*	0*	0*	0*	0*	0	0*	TRACE*	1*	2*
77	7*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*	7*
78	TRACE*	3*	TRACE*	1*	0*	0*	0*	0*	0*	0*	1*	1*	3*
79	6*	4*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	6*
80	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	2*	3*
81	5*	1*	0*	TRACE*	0*	0*	0*	0*	0*	0*	1*	7*	7*
82	6*	2*	0*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	6*
83	1*	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	TRACE*	1*	1*
84	2*	3*	1*	1*	0*	0*	0*	0*	0*	0*	0*	TRACE*	3*
85	7*	6*	2*	TRACE*	TRACE*	0*	0*	0*	0*	0*	5*	4*	7*
86	4*	8*	3*	TRACE*	0*	0*	0*	0*	0*	0*	0*	5*	8*
87	4*	4*	2*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	4*
88	0*	3*	3*	0*	0*	0*	0*	0*	0*	0*	5*	TRACE*	5*
89	0*	TRACE*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*
90	0*	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	3*	3*
91	0*	2*	0*	0*	0*	0*	0*						2*

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6101-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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GREATEST	8*	8*	7*	5*	TRACE*	0*	0*	0*	0*	0*	5*	7*	8*
TOTAL OBS	698	649	721	709	694	676	713	724	663	692	643	666	8248

THE GREATEST VALUE OF 8 OCCURRED ON 02/23/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL

PERIOD OF RECORD: 6101-9107

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
60 - 61			JAN 21			FEB 04
61 - 62			DEC 15			MAR 06
62 - 63	NOV 11	NOV 11	NOV 23	MAR 31	MAR 22	MAR 09
63 - 64	NOV 08	DEC 13	DEC 13	APR 06	MAR 14	MAR 14
64 - 65	NOV 30	NOV 30	DEC 03	MAR 26	MAR 08	MAR 14
65 - 66	NOV 12	NOV 13	NOV 14	MAR 30	MAR 26	MAR 15
66 - 67	DEC 05	DEC 10	DEC 22	APR 25	APR 23	JAN 13
67 - 68	NOV 27	DEC 08	DEC 19	APR 06	APR 06	APR 06
68 - 69	NOV 15	DEC 26	NOV 19	APR 21	APR 19	FEB 25
69 - 70	NOV 25	NOV 26	NOV 26	APR 30	APR 09	MAR 11
70 - 71	OCT 23	DEC 18	DEC 24	MAR 26	MAR 26	MAR 12
71 - 72	NOV 19	NOV 22	DEC 10	MAR 29	MAR 29	FEB 04
72 - 73	OCT 20	NOV 14	NOV 14	APR 20	APR 13	APR 13
73 - 74	OCT 18	NOV 27	NOV 28	APR 26	MAR 06	DEC 12
74 - 75	OCT 21	NOV 29	DEC 13	APR 10	MAR 27	JAN 08
75 - 76	NOV 12	NOV 21	JAN 26	APR 28	FEB 13	FEB 13
76 - 77	NOV 22	NOV 23	DEC 14	APR 25	JAN 17	JAN 25
77 - 78	NOV 14	DEC 01	FEB 06	APR 17	APR 17	APR 17
78 - 79	NOV 27	NOV 28	NOV 29	MAY 04	APR 06	FEB 02
79 - 80	NOV 13	DEC 19	DEC 20	APR 28	MAR 04	JAN 04
80 - 81	NOV 03	NOV 05	DEC 03	APR 28	FEB 20	FEB 20
81 - 82	NOV 09	NOV 09	NOV 09	APR 13	FEB 25	FEB 25
82 - 83	NOV 16	DEC 15	JAN 20	APR 19	MAR 23	FEB 16
83 - 84	NOV 15	NOV 22	DEC 07	APR 05	APR 05	APR 03
84 - 85	DEC 03	DEC 27	JAN 03	MAY 02	APR 29	MAR 21
85 - 86	NOV 06	NOV 14	NOV 21	APR 14	APR 11	MAR 05

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL

PERIOD OF RECORD: 6101-9107  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
86 - 87	DEC 16	DEC 22	DEC 22	APR 01	APR 01	MAR 04
87 - 88	DEC 07	FEB 08	FEB 24	MAR 15	MAR 14	MAR 15
88 - 89	NOV 03	NOV 21	NOV 21	MAR 23	NOV 23	NOV 23
89 - 90	DEC 11	FEB 15	FEB 27	MAR 28	FEB 27	FEB 27
90 - 91	NOV 05	DEC 03	DEC 11	APR 23	DEC 20	FEB 14

MEDIAN-DATE	NOV 14	NOV 29	DEC 13	APR 14	MAR 26	FEB 27
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PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6211-6312,6805-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
62											W 21	W 48	W *48
63	W 38	E 22	WSW 39	NW 33	NW *30	W *33	WNW*24	SW 36	W 36	SW 32	WSW*55	NNE*26	WSW*55
68					W *29	W *46	25/*60	25/*36	26/*41	26/*35	08/*27	25/*32	25/*60
69	23/*42	23/*31	05/*33	25/*50	28/*42	22/*43	24/*34	31/ 36	26/ 34	26/ 32	26/*50	24/*19	25/*50
70	25/ 30	22/ 54	24/ 60	24/ 40	25/*40	29/*39	26/*42	30/*34	24/ 46	26/ 47	26/ 50	29/*54	24/*60
71	25/*35	24/*31	26/*30	28/*22	25/*25	26/*46	29/*20	26/*31	03/*21	25/*28	24/*40	25/*38	26/*46
72	07/*20	16/*21	26/*45	30/*31	28/*31	27/*25	18/*24	27/*32	26/*35	11/*20	26/*50	27/*23	26/*50
73	27/*27	24/*30	04/*24	24/*37	23/*24	20/*25	21/*32	27/*20	24/*19	24/*29	26/*48	26/*35	26/*48
74	27/*41	25/*34	26/*22	06/*26	23/*49	26/*29	31/*33	25/*38	29/*32	24/*31	28/*37	26/*52	26/*52
75	26/*41	28/*30	27/*37	27/*34	07/*34	29/*35	31/*26	19/*22	24/*34	27/*30	33/*33	18/*28	26/*41
76	28/*54	18/*30	26/*27	09/*24	29/*28	09/*22	06/*22	08/*26	26/ 29	27/*25	27/*50	21/*33	28/*54
77	26/*27	31/*36	28/*35	30/*47	26/*30	29/*31	27/*32	25/*29	25/*29	17/*24	24/*37	26/*40	30/*47
78	25/*44	25/*27	27/*42	05/*22	27/*20	24/*22	27/*28	29/*20	27/*40	26/*21	26/*18	27/*35	25/*44
79	25/*34	24/*25	26/*34	24/*31	29/*31	12/*24	28/*22	27/*26	26/*27	28/*28	26/*38	26/*44	26/*44
80	22/*28	26/*36	27/*27	28/*38	09/*30	26/*33	27/*31	27/*45	28/*32	24/*40	26/*41	25/*33	27/*45
81	24/*42	30/*39	27/*42	26/*29	21/*29	26/*33	31/*28	30/*31	07/*20	27/*25	19/*26	26/*32	24/*42
82	26/*41	26/*22	27/*38	25/*34	27/*26	25/*33	05/*22	22/*28	24/*19	24/*39	24/*30	25/*52	25/*52
83	24/*41	30/*44	24/*41	29/*38	31/*32	30/*50	27/*27	31/*23	24/*24	27/*32	31/*30	27/*23	30/*50
84	27/*35	24/*46	28/*28	06/*22	26/*40	26/*28	31/*42	03/*26	26/*32	30/*27	09/*19	26/*19	24/*46
85	30/*38	28/*33	26/*31	25/*32	27/*35	27/*31	27/*26	32/*40	28/*28	29/*30	29/*36	28/*31	32/*40
86	27/*45	09/*16	27/*50	27/*22	28/*21	34/*24	30/*27	29/*28	29/*27	26/*42	27/*21	30/*42	27/*50
87	24/*30	25/*21	28/*33	11/*23	24/*35	27/*25	25/*27	32/*25	26/*30	26/*33	24/*39	26/*25	24/*39
88	22/*33	25/*34	23/*50	08/*20	27/*29	33/*20	28/*37	30/*31	27/*32	25/*31	23/*34	25/*50	23/*50
89	26/*31	27/*29	25/*30	26/*22	27/*26	25/*24	32/*40	30/*30	25/*23	26/*30	19/*25	25/*40	32/*40
90	25/*48	25/*48	28/*40	27/*32	28/*24	23/*31	25/*26	26/*32	21/*32	26/*31	26/*29	27/*34	25/*48
91	24/*28	27/*16	26/*34	35/*25	31/*19	28/*29	33/*21						26/*34

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6211-6312,6805-9107  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	28/ 54	22/ 54	24/ 60	25/ 50	23/ 49	30/ 50	25/ 60	27/ 45	24/ 46	26/ 47	WSW 55	29/ 54	25/ 60
TOTAL OBS	510	462	546	493	502	486	526	536	485	506	487	518	6057

THE PEAK WIND OF 60 FROM 25/ OCCURRED ON 07/11/68

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 6211-6312,6805-9107  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	4.1	18.8	24.5	17.1	14.9	9.0	5.5	3.3	2.5	.2	.0	17.1	15.0	510
FEB	1.9	20.6	31.6	18.6	11.7	6.9	3.9	2.2	2.2	.4	.0	16.0	14.0	462
MAR	.5	13.9	27.1	20.0	18.5	9.9	5.3	2.7	1.5	.5	.0	18.0	16.0	546
APR	.0	7.5	30.2	24.7	21.7	7.3	5.9	2.0	.4	.2	.0	18.0	17.0	493
MAY	.0	9.6	28.3	27.3	20.7	8.8	3.0	1.6	.8	.0	.0	17.4	16.0	502
JUN	.2	8.2	30.9	26.1	19.8	9.5	3.3	1.2	.6	.2	.0	17.5	16.0	486
JUL	.2	9.5	32.7	30.0	16.2	7.2	2.5	.8	.8	.2	.0	16.6	16.0	526
AUG	.2	10.1	35.4	26.7	15.3	7.1	3.5	1.1	.6	.0	.0	16.5	16.0	536
SEP	.8	17.3	34.6	22.1	12.2	6.6	4.7	.6	1.0	.0	.0	15.7	14.0	485
OCT	1.2	19.8	32.6	21.7	12.5	6.9	3.6	1.0	.3	.0	.0	15.4	14.0	506
NOV	2.5	15.8	27.3	21.1	14.2	6.2	6.2	3.9	1.8	1.0	.0	17.5	15.0	487
DEC	2.5	16.0	30.5	20.5	12.9	6.4	6.6	1.7	2.1	.8	.0	16.9	15.0	518
ANNUAL	1.2	13.9	30.5	23.0	15.9	7.7	4.5	1.8	1.3	.3	.0	16.9	15.0	6057

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.1	.2									1.3	7.1	7.0
020-040	1.3											1.3	3.4	3.5
050-070	2.1	.6										2.7	3.2	3.0
(E) 080-100	4.1	1.3	.2									5.5	3.4	3.0
110-130	5.9	2.2										8.1	3.7	4.0
140-160	3.0	.9	.3									4.3	4.4	4.0
(S) 170-190	1.6	3.0	1.3	.3								6.2	7.5	7.0
200-220	2.1	3.3	1.9									7.3	7.2	7.0
230-250	5.1	5.5	4.0	2.1	.6							17.2	8.2	7.0
(W) 260-280	.9	5.9	5.1	4.0	1.9	.2	.2					18.0	12.3	12.0
290-310	.6	1.4	.6	.2	.5	.3						3.6	10.7	8.0
320-340		.5										.5	7.3	7.0
VARIABLE		.6	.3	.2	.2							1.3	11.6	9.5
CALM	////////////////////////////////////											22.8	////////	
TOTALS	26.7	26.3	13.9	6.8	3.2	.5	.2					100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.5										.6	6.4	7.0
020-040	.3	.3	.5									1.0	7.1	8.0
050-070	2.4	1.5	.3									4.2	4.2	3.0
(E) 080-100	3.5	1.9	.5									5.9	4.7	4.0
110-130	4.0	3.0										6.9	4.1	4.0
140-160	3.9	1.4	.1									5.4	3.9	4.0
(S) 170-190	1.2	2.2	1.5	.5								5.4	8.7	9.0
200-220	1.8	4.0	3.0	.4								9.1	7.9	7.0
230-250	3.3	4.9	6.3	2.3	.6							17.5	9.6	10.0
(W) 260-280	1.7	3.9	6.0	4.9	1.4	.3						18.1	12.0	12.0
290-310	.4	1.5	.8	.4	.3							3.3	9.8	8.0
320-340	.5	.9	.4									1.8	6.8	7.0
VARIABLE		.4	.8									1.2	10.9	11.0
CALM	////////////////////////////////////											19.4	////////	
TOTALS	23.1	26.4	20.2	8.5	2.3	.3						100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 778														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.4										.6	4.8	6.0
020-040	.7	.7										1.4	4.8	4.5
050-070	3.8	2.1	.6									6.5	4.6	4.0
(E) 080-100	3.9	1.8	.6	.2								6.5	5.0	4.0
110-130	4.6	3.3										7.9	4.6	4.0
140-160	2.3	1.4	.7	.1								4.5	5.6	4.5
(S) 170-190	1.5	1.5	1.2	.2								4.5	7.3	7.5
200-220	1.2	3.2	1.9	.5	.2							7.0	8.5	8.0
230-250	2.0	4.7	6.9	4.0	.7	.1						18.5	11.0	11.0
(W) 260-280	3.1	3.2	6.6	3.8	2.4	.1						19.2	12.0	12.0
290-310	.5	3.1	2.1	.4	.1							6.2	9.2	9.0
320-340	.5	.8	.2									1.5	6.4	6.0
VARIABLE		.7	1.2	.2								2.1	10.8	10.0
CALM	////////////////////////////////////											13.5	////////	
TOTALS	24.3	26.9	22.0	9.4	3.4	.2						100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 844



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.5										.7	4.3	5.0
020-040	1.1	.9										2.0	4.8	4.0
050-070	2.3	1.8	.4									4.5	5.3	4.0
(E) 080-100	5.3	2.2	.5									8.0	4.2	4.0
110-130	4.4	2.8	.1									7.3	4.3	4.0
140-160	2.9	.7	.4	.1								4.2	4.6	4.0
(S) 170-190	2.4	1.8	1.1	.1								5.5	6.2	5.0
200-220	2.9	2.6	1.3	.1								7.0	6.1	5.0
230-250	2.6	6.6	6.1	2.6	.5							18.4	9.6	9.5
(W) 260-280	2.2	4.5	7.3	3.2	1.6							18.8	11.2	10.0
290-310	1.5	2.4	1.8	.1								5.9	7.0	7.0
320-340	.5	.4	.1									1.0	5.6	5.0
VARIABLE		.4	.9	.4								1.6	11.5	10.0
CALM	////////////////////////////////////											15.2	////////	
TOTALS	28.3	27.6	20.0	6.6	2.1							100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 817														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.6	.0									.8	5.8	6.0
020-040	.8	.5	.1									1.4	5.0	4.0
050-070	2.7	1.6	.3									4.6	4.5	4.0
(E) 080-100	4.2	1.8	.5	.1								6.5	4.4	4.0
110-130	4.7	2.9	.0									7.6	4.2	4.0
140-160	3.0	1.1	.4	.1								4.6	4.6	4.0
(S) 170-190	1.7	2.1	1.3	.3								5.3	7.4	7.0
200-220	2.0	3.3	2.0	.3	.1							7.6	7.5	7.0
230-250	3.1	5.4	5.9	2.8	.6	.0						17.9	9.7	10.0
(W) 260-280	2.1	4.3	6.3	3.9	1.8	.1	.0					18.6	11.8	12.0
290-310	.7	2.2	1.4	.3	.2	.1						4.9	8.8	8.0
320-340	.4	.7	.2									1.2	6.4	6.5
VARIABLE		.5	.8	.2	.0							1.6	11.1	10.0
CALM	////////////////////											17.4	////////////////	
TOTALS	25.6	27.0	19.2	8.0	2.7	.2						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 3071

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		.3										.3	2.7	2.0
020-040		1.7	1.0	.3								3.0	5.0	4.0
050-070		4.4	2.5	.3								7.2	4.3	4.0
(E) 080-100		4.9	1.7	.1								6.7	3.5	3.0
110-130		7.0	3.6									10.6	4.1	4.0
140-160		5.9	2.5									8.4	3.9	4.0
(S) 170-190		2.1	.7	.3	.3							3.4	5.9	4.0
200-220		1.7	.7	.3								2.7	4.7	4.0
230-250		3.5	3.9	3.0	1.1	.1						11.6	7.6	7.0
(W) 260-280		2.1	3.4	4.2	2.5	.8	.1	.1				13.2	10.9	10.0
290-310		1.2	2.5	.4	.2	.2						4.5	7.4	7.0
320-340		.2	.7									.9	6.8	7.0
VARIABLE														
CALM		////////////////////										27.5	////////////////	
TOTALS		35.0	23.2	8.9	4.1	1.1	.1	.1				100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 1000

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	4.0	4.0
020-040	1.9	1.9										3.8	4.5	4.5
050-070	5.9	1.9	.2									8.0	3.7	3.5
(E) 080-100	6.1	3.8	.2									10.1	4.2	4.0
110-130	4.2	1.3										5.5	3.8	4.0
140-160	1.1	1.1										2.3	4.7	4.5
(S) 170-190	1.3	1.5	.4									3.2	5.8	6.0
200-220	2.1	4.0	1.7	.2								8.0	7.0	7.0
230-250	1.5	4.6	3.6	.8	.4		.2					11.0	9.7	9.0
(W) 260-280	1.5	4.8	2.9	1.7	1.7							12.5	10.8	9.5
290-310	.8	.4	.4	.4	.2							2.1	9.5	6.0
320-340		.2										.2	6.0	6.0
VARIABLE		.2	1.0	.2								1.3	12.0	12.0
CALM	////////////////////////////////////											31.6	////////	
TOTALS	26.8	25.7	10.4	3.3	2.3		.2					100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 526														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.3										1.2	3.8	4.0
020-040	1.7	1.1	.3									3.0	4.6	4.0
050-070	4.8	3.3	.3									8.4	4.5	4.0
(E) 080-100	5.6	7.4	.6									13.6	4.9	5.0
110-130	3.4	3.6	.6									7.6	5.1	5.0
140-160	.7	1.5	.3									2.5	5.8	5.5
(S) 170-190	.8	1.5	.4									2.8	6.5	6.0
200-220	.8	3.7	2.2	.6	.4							7.7	9.4	9.0
230-250	.6	4.7	3.7	1.2	.4							10.6	9.9	10.0
(W) 260-280	1.4	3.9	4.7	1.7	1.2							12.8	10.9	11.0
290-310	1.1	1.5	1.2	.8		.3						5.0	10.3	9.0
320-340	.3	1.0	.3									1.5	6.8	6.0
VARIABLE		.7	.6	.4								1.7	10.8	10.0
CALM	////////////////////////////////////											21.6	////////	
TOTALS	22.2	34.2	15.2	4.7	2.0	.3						100.0	5.9	7.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.5	.5	.1									1.1	6.0
020-040	2.8	2.6	.4									5.7	5.0
050-070	4.8	4.9	.6									10.3	5.0
(E) 080-100	3.9	6.8	2.2									12.9	6.0
110-130	2.3	3.7	.4									6.3	5.0
140-160	1.3	1.3	.6									3.3	5.0
(S) 170-190	1.2	1.0	.9									3.1	6.0
200-220	1.7	1.6	1.7	.4								5.4	7.5
230-250	.9	2.3	4.6	1.3	.7	.1						10.0	11.0
(W) 260-280	1.5	3.3	5.4	2.8	1.2	.1						14.3	12.0
290-310	1.5	3.1	2.0	1.3	.4							8.2	8.0
320-340	1.0	1.7	.1									2.8	5.0
VARIABLE		1.6	1.5	.1	.1							3.3	10.0
CALM	////////////////////////////////////										13.3	////////	
TOTALS	23.4	34.4	20.5	5.9	2.4	.2						100.0	6.9
TOTAL NUMBER OF OBSERVATIONS 819													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.5	.3									1.6	5.2	4.0
020-040	1.6	1.9	1.0									4.6	6.2	6.0
050-070	5.4	7.5	1.5									14.4	5.7	6.0
(E) 080-100	3.9	3.0	.8									7.7	5.4	4.0
110-130	2.8	2.9	.4									6.1	5.1	5.0
140-160	3.5	1.6	.3									5.4	4.6	4.0
(S) 170-190	1.6	.6	.4									2.7	5.0	4.0
200-220	1.3	2.0	1.6	.1								5.1	7.7	7.5
230-250	2.0	3.4	3.8	1.6	.5							11.4	9.8	10.0
(W) 260-280	1.5	4.3	5.7	2.3	1.0	.3						15.1	10.9	10.0
290-310	2.2	3.0	1.6	.1	.4							7.4	7.7	6.0
320-340	1.5	2.0	.3									3.8	5.0	5.0
VARIABLE	.9	.8	.4									2.0	11.3	11.0
CALM	////////////////////////////////////											12.7	////////	
TOTALS	28.2	33.6	18.5	4.5	1.9	.3						100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 789

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.3	.1									1.2	5.0	4.0
020-040	2.0	1.9	.5									4.4	5.3	5.0
050-070	5.2	4.7	.7									10.5	5.1	5.0
(E) 080-100	4.8	5.4	1.0									11.2	5.3	5.0
110-130	3.1	3.0	.3									6.4	5.0	5.0
140-160	1.7	1.4	.3									3.5	5.3	4.5
(S) 170-190	1.3	1.1	.5									2.9	6.0	6.0
200-220	1.4	2.7	1.8	.3	.1							6.4	8.0	8.0
230-250	1.2	3.6	4.0	1.3	.5	.0	.0					10.7	10.2	10.0
(W) 260-280	1.5	4.0	4.8	2.2	1.3	.1						13.8	11.2	10.0
290-310	1.4	2.2	1.4	.7	.2	.1						6.0	9.0	8.0
320-340	.8	1.3	.2									2.3	5.4	5.0
VARIABLE		.9	.9	.3	.0							2.2	10.7	10.0
CALM	////////////////////////////////////											18.6	////////	
TOTALS	25.1	32.5	16.5	4.8	2.1	.2						100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 2860



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.3										1.6	3.7	4.0
020-040	3.9	3.5	.8									8.2	5.3	5.0
050-070	8.1	4.2	.5									12.9	4.3	4.0
(E) 080-100	5.8	3.2	.7									9.7	4.4	4.0
110-130	4.4	2.3	.2									7.0	4.1	4.0
140-160	2.1	1.9	.1									4.1	4.9	4.0
(S) 170-190	2.1	1.4	.1									3.6	4.6	4.0
200-220	.5	2.3	.6	.1								3.6	7.5	7.0
230-250	.6	2.1	2.6	.4	.1							5.9	9.4	10.0
(W) 260-280	1.4	2.6	3.2	.5	1.0							8.7	10.1	10.0
290-310	1.4	2.1	.5	.1		.1						4.2	6.7	5.5
320-340	.6	1.2	.2									2.0	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											28.4	////////	
TOTALS	32.2	27.1	9.5	1.1	1.1	.1						100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 946

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.2	.3									.8	6.4	5.0
020-040	.5	1.5	.2									2.1	5.9	5.5
050-070	3.1	1.1	.3	.2								4.6	4.5	3.0
(E) 080-100	3.5	.9	.3									4.7	4.2	4.0
110-130	1.7	.6										2.3	3.8	4.0
140-160	.5	.8	.2									1.4	5.3	5.0
(S) 170-190	.8	2.1	1.5	.3								4.7	8.4	8.0
200-220	2.0	3.1	1.5	.3								6.9	7.2	7.0
230-250	2.9	7.2	3.1	.9								14.1	7.4	7.0
(W) 260-280	4.3	5.8	4.3	2.0	.3	.2		.2				17.0	9.2	8.0
290-310	2.8	1.1	.9	.2	.2							5.1	6.1	4.0
320-340	.3	.2										.5	4.7	3.0
VARIABLE		.3	.3	.2								.8	10.8	10.0
CALM	////////////////////////////////////											35.1	////////////////////////////////	
TOTALS	22.7	24.9	12.9	4.1	.5	.2		.2				100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 653														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.7	.4									1.8	5.5	5.0
020-040	1.8	1.6	.5									3.8	5.5	5.0
050-070	2.8	2.8	1.2	.1								6.8	6.2	6.0
(E) 080-100	2.0	3.1	.4	.2								5.7	5.5	5.0
110-130	2.2	1.6	.1									3.8	4.5	4.0
140-160	1.1	1.7	.1									2.9	5.6	5.0
(S) 170-190	.4	2.6	1.4									4.4	8.4	8.0
200-220	.7	3.0	2.9	.2								6.8	8.7	8.0
230-250	1.2	5.1	5.6	1.4								13.4	9.5	10.0
(W) 260-280	1.4	6.1	8.3	3.5	.8	.1						20.2	11.1	11.0
290-310	2.9	3.6	2.2	.1								8.7	6.9	7.0
320-340	1.6	.7	.5									2.8	5.1	4.0
VARIABLE		.4	1.0	1.1	.1							2.5	14.4	14.0
CALM	////////////////////////////////////											16.2	////////////////////////////////	
TOTALS	18.8	33.0	24.6	6.6	.9	.1						100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 835

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.3	.8	.2									2.3	5.1	4.0
020-040	2.2	2.8	.8									5.8	5.9	6.0
050-070	2.8	2.0	1.4	.1	.1							6.4	6.3	5.0
(E) 080-100	1.9	3.6	.4	.2								6.1	6.2	5.0
110-130	1.7	2.5	.1									4.4	5.1	5.0
140-160	1.0	1.0	.1									2.1	5.1	5.0
(S) 170-190	1.6	1.7	.7									4.0	6.2	6.0
200-220	.3	2.5	2.4	.9								6.1	9.7	10.0
230-250	.7	4.6	4.8	2.6	.3							13.0	10.9	11.0
(W) 260-280	1.7	6.0	10.6	4.3	1.1	.1						23.8	11.2	11.0
290-310	2.4	3.6	2.9	.2	.1							9.3	7.9	8.0
320-340	3.2	1.2	.5									4.9	4.5	4.0
VARIABLE		2.4	2.5	.9	.2							6.0	10.9	10.0
CALM	////////////////////////////////////											5.9	////////	
TOTALS	20.8	34.7	27.4	9.2	1.8	.1						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 917

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.6	.2									3.0	5.4	5.0
020-040	1.8	1.4	1.3									4.6	7.0	7.0
050-070	3.7	3.5	1.9									9.0	6.3	6.0
(E) 080-100	4.0	2.9	.7	.6								8.1	5.9	5.0
110-130	1.8	2.7										4.5	4.9	5.0
140-160	1.0	1.2	.2									2.4	5.3	5.0
(S) 170-190	1.1	1.3	.6									3.0	5.9	5.0
200-220	1.0	2.9	2.1	.7		.1						6.8	8.8	8.0
230-250	.9	3.8	5.3	2.1								12.1	10.4	11.0
(W) 260-280	2.3	7.3	8.6	3.1	.6	.1						22.0	10.3	10.0
290-310	3.1	4.1	2.7	.2								10.1	7.1	6.0
320-340	2.7	2.4	.3	.1								5.6	5.4	5.0
VARIABLE		1.4	1.3	.3								3.1	10.2	10.0
CALM	////////////////////////////////////											5.6	////////	
TOTALS	24.6	36.5	25.2	7.1	.6	.2						100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.8	.3									2.1	5.4	5.0
020-040	1.6	1.9	.7									4.2	6.1	6.0
050-070	3.1	2.4	1.3	.1	.0							6.9	6.0	5.0
(E) 080-100	2.8	2.8	.5	.3								6.3	5.6	5.0
110-130	1.8	1.9	.1									3.8	4.7	5.0
140-160	.9	1.2	.2									2.2	5.4	5.0
(S) 170-190	1.0	1.9	1.0	.1								4.0	7.3	7.0
200-220	.9	2.8	2.3	.5		.0						6.6	8.7	8.0
230-250	1.3	5.0	4.8	1.8	.1							13.1	9.7	10.0
(W) 260-280	2.3	6.4	8.2	3.3	.7	.1		.0				21.1	10.6	10.0
290-310	2.8	3.2	2.3	.2	.1							8.5	7.2	7.0
320-340	2.1	1.2	.4	.0								3.7	5.0	4.0
VARIABLE	1.2	1.4	.6	.1								3.3	11.4	10.0
CALM	////////////////////////////////////											14.2	////////	
TOTALS	21.5	32.7	23.5	6.9	1.0	.1						100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 3303

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.7	.9									4.2	6.3	6.0
020-040	2.9	1.8	.6									5.4	4.8	4.0
050-070	6.5	4.5	1.7	.3								12.9	5.6	4.5
(E) 080-100	3.7	2.3	.5									6.5	4.4	4.0
110-130	1.5	1.4										2.9	4.5	4.0
140-160	1.4	1.2										2.6	4.6	4.0
(S) 170-190	.3	.9	.2									1.4	6.1	6.0
200-220	.2	.5	.3									.9	7.3	7.0
230-250	.6	4.2	3.4	.8	.2							9.1	9.2	9.0
(W) 260-280	1.8	5.9	8.3	2.0								18.0	9.8	10.0
290-310	3.4	3.1	1.1		.2							7.7	6.2	5.0
320-340	2.8	1.5										4.3	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											24.0	////////////////////////////////	
TOTALS	26.6	29.0	17.0	3.1	.4							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 649

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.8										2.0	4.7	4.0
020-040	1.3	1.3										2.7	4.9	4.5
050-070	4.8	3.5	.5									8.8	4.6	4.0
(E) 080-100	4.3	1.8	.3									6.5	4.1	3.0
110-130	1.7	.7	.2									2.5	4.9	4.0
140-160	.3	.3										.7	3.8	3.5
(S) 170-190		.8	.3									1.2	7.9	7.0
200-220	.7	2.0	1.3									4.0	7.9	8.0
230-250	2.2	5.6	2.2									10.0	6.9	7.0
(W) 260-280	5.0	5.8	3.3	.8								15.0	7.0	6.0
290-310	2.8	2.2	1.2	.2								6.3	6.1	5.0
320-340	.8	2.2	.3									3.3	6.3	6.0
VARIABLE		.2										.2	9.0	9.0
CALM	////////////////////////////////////											37.0	////////	
TOTALS	25.1	27.2	9.6	1.0								100.0	3.8	6.0
TOTAL NUMBER OF OBSERVATIONS 602														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.4	.1									3.1	4.7	4.5
020-040	4.0	3.0	.3									7.3	4.8	4.0
050-070	4.7	5.9	1.8									12.4	5.7	6.0
(E) 080-100	2.7	3.6	1.2	.3								7.8	6.4	6.0
110-130	2.0	2.7	1.0									5.7	6.0	6.0
140-160	.7	1.2										1.8	5.1	5.5
(S) 170-190	.3	.9	.1									1.3	5.9	5.5
200-220	.9	1.8	.8	.4								3.9	8.0	8.0
230-250	2.6	2.6	3.4	.9	.3							9.8	8.8	9.0
(W) 260-280	2.5	4.8	7.0	1.3	.7							16.3	9.8	10.0
290-310	2.9	3.6	2.0	.3								8.7	6.8	6.0
320-340	2.3	3.0	1.7									7.0	6.5	6.0
VARIABLE	1.6	.8	.3	.1								2.7	10.1	9.0
CALM	////////////////////////////////////											12.1	////////	
TOTALS	27.2	36.1	20.2	3.5	1.1							100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.7	.4									3.2	5.8	6.0
020-040	2.4	4.0	.6									7.0	5.8	6.0
050-070	3.7	4.0	1.9	.1								9.7	6.3	6.0
(E) 080-100	1.9	4.7	1.2		.1							7.9	6.8	6.0
110-130	2.4	4.6	.6									7.6	6.0	6.0
140-160	.6	.7	.1									1.4	5.4	5.0
(S) 170-190	.8	.8										1.7	4.9	4.5
200-220	.2	1.9	.2									2.4	6.4	6.0
230-250	1.7	1.8	2.9	.8								7.2	9.2	10.0
(W) 260-280	1.9	4.4	8.0	2.9	.8							18.1	10.9	11.0
290-310	3.8	5.2	3.0	.6	.1							12.7	7.3	6.0
320-340	2.0	3.1	1.7	.2								7.1	6.9	6.0
VARIABLE		4.3	2.5									6.8	8.8	8.0
CALM	////////////////////////////////////											7.2	////////	
TOTALS	22.6	41.2	23.1	4.6	1.0							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 834

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.6	.6									4.2	6.7	7.0
020-040	3.2	3.9	.4									7.6	5.3	5.0
050-070	2.6	2.0	2.2	.1								7.0	6.7	6.0
(E) 080-100	2.5	4.5	.7	.1								7.8	6.3	6.0
110-130	2.5	4.5	.6									7.6	5.9	6.0
140-160	1.7	1.0										2.8	4.6	4.0
(S) 170-190	1.2	1.9	.1									3.2	5.3	6.0
200-220	1.6	1.2										2.8	3.9	3.0
230-250	1.0	2.8	2.6	.4	.1							7.0	9.0	8.5
(W) 260-280	2.3	4.2	6.5	2.6	.7							16.4	10.5	10.0
290-310	2.9	7.1	3.8	.9	.1							14.8	8.0	8.0
320-340	2.9	3.2	2.0	.3								8.4	6.7	6.5
VARIABLE		2.5	1.5									3.9	9.0	9.0
CALM	////////////////////////////////////											6.5	////////	
TOTALS	25.4	41.4	21.0	4.4	.9							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 688														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.7	.3									3.2	5.6	6.0
020-040	2.8	3.1	.3									6.3	5.3	5.0
050-070	3.9	3.9	1.7	.1								9.6	5.9	5.0
(E) 080-100	2.8	3.8	.9	.1	.0							7.6	6.1	6.0
110-130	2.1	3.3	.6									6.0	5.9	6.0
140-160	.8	.8	.0									1.7	4.9	5.0
(S) 170-190	.6	1.1	.1									1.8	5.6	6.0
200-220	.8	1.7	.6	.1								3.2	6.8	6.0
230-250	1.9	3.0	2.8	.6	.1							8.4	8.5	8.0
(W) 260-280	2.8	4.8	6.4	2.0	.6							16.6	9.8	10.0
290-310	3.1	4.6	2.5	.5	.1							10.8	7.3	7.0
320-340	2.1	2.9	1.5	.1								6.6	6.7	6.0
VARIABLE	2.3	1.3	.1	.0								3.7	9.1	8.0
CALM	////////////////////////////////////											14.6	////////	
TOTALS	24.9	37.0	19.0	3.6	.8							100.0	6.2	7.0

TOTAL NUMBER OF OBSERVATIONS 2892

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.7	.2									5.5	5.5	6.0
020-040	2.8	3.7										6.5	5.1	5.0
050-070	2.8	5.3	.7									8.8	5.7	6.0
(E) 080-100	1.6	2.3										3.9	5.1	6.0
110-130	.5	.7	.2									1.4	7.0	7.0
140-160	.5											.5	3.0	3.0
(S) 170-190														
200-220														
230-250	.9	1.6	.9	.9	.2							4.6	9.9	8.5
(W) 260-280	3.7	7.4	9.2	2.5	.7							23.6	9.6	10.0
290-310	4.6	9.2	3.2	.5	.2							17.8	6.9	6.0
320-340	2.3	6.2	1.4	.2								10.2	6.9	7.0
VARIABLE														
CALM	////////////////////											17.3	//////////	
TOTALS	21.3	40.1	15.8	4.1	1.1							100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.2										2.5	4.6	4.0
020-040	.9	.7										1.6	4.1	4.0
050-070	7.2	2.7	.6									10.5	4.0	3.0
(E) 080-100	5.2	1.9	.7									7.8	4.3	4.0
110-130	1.3	.7										2.1	4.0	4.0
140-160	.6	.1										.7	3.2	2.0
(S) 170-190	.7	.7	.3	.3								2.1	7.5	8.0
200-220	1.5	3.0	.1									4.6	5.8	6.0
230-250	2.7	4.6	2.2	.1								9.6	7.0	6.0
(W) 260-280	4.6	6.6	2.2	.4								13.9	6.5	6.0
290-310	2.4	2.5	.6									5.5	5.5	5.0
320-340	.6	1.2										1.8	5.1	5.0
VARIABLE	.1	.3	.6	.1								1.2	9.5	10.0
CALM	////////////////////////////////////											36.2	////////	
TOTALS	29.1	26.2	7.3	.9								100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 677

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.0	.3									3.0	4.6	4.0
020-040	3.9	2.3										6.1	4.3	4.0
050-070	7.2	2.8	1.1	.3								11.3	4.9	4.0
(E) 080-100	3.0	3.6	1.9	.4								8.9	6.9	6.0
110-130	1.8	3.1	.5									5.4	5.5	5.0
140-160	.9	.6	.1									1.6	4.8	4.0
(S) 170-190	.4	2.0	.1									2.5	6.8	7.0
200-220	1.0	2.8	.6									4.4	6.8	6.0
230-250	1.9	3.9	3.1	.4	.1							9.4	8.3	8.0
(W) 260-280	5.3	5.8	4.9	2.5	.3							18.7	8.3	8.0
290-310	3.3	3.1	1.5	.1								8.0	6.3	6.0
320-340	2.3	2.0	.4									4.6	5.0	5.0
VARIABLE		3.9	1.4	.1								5.4	8.9	8.0
CALM	////////////////////////////////////											10.5	////////	
TOTALS	32.8	36.9	15.9	3.8	.4							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 797

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.8	.1									3.5	5.1	5.0
020-040	3.6	3.4	.3									7.3	4.6	4.5
050-070	1.8	3.5	.9	.1								6.3	6.3	6.0
(E) 080-100	2.4	3.1	1.8	.3								7.5	7.1	6.0
110-130	2.4	4.4	.4									7.1	5.5	5.0
140-160	1.0	.9										1.9	4.5	4.0
(S) 170-190	1.8	1.5										3.3	4.6	4.0
200-220	1.4	1.9	.5									3.8	5.8	5.5
230-250	.9	2.9	2.8	.8	.1							7.4	9.4	9.0
(W) 260-280	2.6	6.5	5.0	1.4	.3	.1						15.9	9.0	8.0
290-310	4.5	5.5	2.1	.3								12.4	6.4	6.0
320-340	3.6	3.5	1.1									8.3	5.5	5.0
VARIABLE	.1	6.0	4.1	.3								10.5	9.0	8.5
CALM	////////////////////////////////////											5.0	////////	
TOTALS	27.7	44.9	19.1	3.2	.4	.1						100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 799



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.2	.5									5.8	4.6	4.0
020-040	2.8	3.3	.3									6.5	4.9	5.0
050-070	4.2	3.2	2.5	.7								10.5	7.0	6.0
(E) 080-100	3.7	4.0	.8	.8								9.3	6.3	5.0
110-130	2.5	3.7	.3									6.5	5.4	5.0
140-160	1.3	1.0										2.3	4.5	4.0
(S) 170-190	2.0	.7										2.7	3.8	4.0
200-220	1.5	1.8	.7		.2							4.2	6.8	6.0
230-250	1.8	2.7	2.8	.5								7.8	8.4	8.0
(W) 260-280	2.0	6.7	5.2	1.0								14.9	8.7	8.0
290-310	3.0	4.8	2.8									10.7	6.9	6.5
320-340	3.2	4.2	.2	.2								7.7	5.7	5.0
VARIABLE	.2	4.2	2.7	.2								7.2	9.0	8.0
CALM	////////////////////////////////////											3.8	////////	
TOTALS	31.4	42.5	18.8	3.4	.2							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 599

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: ALL

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		1.9	1.5	.2								3.6	4.7	4.0
020-040		2.9	2.4	.1								5.5	4.5	4.0
050-070		5.0	3.0	1.2	.2							9.5	5.4	4.0
(E) 080-100		3.5	3.2	1.4	.3							8.4	6.3	5.0
110-130		2.0	3.0	.3								5.3	5.3	5.0
140-160		.9	.7	.0								1.6	4.4	4.0
(S) 170-190		1.2	1.3	.1	.1							2.6	5.5	5.0
200-220		1.3	2.4	.5		.0						4.2	6.3	6.0
230-250		1.8	3.5	2.8	.5	.1						8.6	8.2	8.0
(W) 260-280		3.7	6.4	4.4	1.4	.1	.0					16.0	8.2	8.0
290-310		3.3	4.0	1.7	.1							9.2	6.4	6.0
320-340		2.4	2.7	.5	.0							5.6	5.4	5.0
VARIABLE		.1	3.7	2.2	.2							6.2	9.0	8.0
CALM		////////////////////////////////////										13.6	////////////////////////////////	
TOTALS		30.0	37.8	15.4	2.8	.2						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 2872

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	4.0										8.3	4.4	4.0
020-040	2.9	4.3										7.2	5.5	5.5
050-070	4.7	2.9	.4									8.0	4.4	4.0
(E) 080-100	1.8	.4										2.2	3.2	3.0
110-130	1.1	.4										1.4	3.5	3.0
140-160														
(S) 170-190														
200-220	.7	.7										1.4	4.8	4.5
230-250	2.2	3.6	2.9	.4								9.1	8.0	8.0
(W) 260-280	5.1	10.5	6.2	2.2								23.9	8.0	7.5
290-310	4.3	8.0	2.5									14.9	6.3	6.0
320-340	2.5	5.4	.7									8.7	5.5	5.0
VARIABLE														
CALM	////////////////////											14.9	////////	
TOTALS	29.6	40.2	12.7	2.6								100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 276

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.3										.6	4.3	4.5
020-040	1.1											1.1	2.3	2.0
050-070	5.9	.5	.2									6.5	2.6	2.0
(E) 080-100	3.0	.9										4.0	3.2	2.5
110-130	.9	.2										1.1	3.0	3.0
140-160	.5	.2										.6	2.0	1.0
(S) 170-190	.6	.3	.3									1.2	5.6	4.5
200-220	1.8	2.7	.3									4.9	5.5	6.0
230-250	4.1	6.2	3.0									13.4	6.7	7.0
(W) 260-280	6.7	8.2	5.0	.6	.2							20.7	6.9	6.0
290-310	3.5	3.8	1.1									8.4	5.7	6.0
320-340	1.1	.6										1.7	4.0	4.0
VARIABLE		.5	.2									.6	9.0	8.0
CALM	////////////////////////////////////											35.4	////////	
TOTALS	29.5	24.4	10.1	.6	.2							100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 658

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.9	1.1	.1	.1								2.3	5.8	5.0
020-040		2.4	.9										3.3	3.4	3.0
050-070		6.4	2.0	.8									9.2	4.3	4.0
(E) 080-100		2.8	1.9										4.7	4.1	4.0
110-130		2.1	1.1										3.2	4.2	4.0
140-160		1.7	.4										2.1	3.6	3.5
(S) 170-190		1.7	.8										2.5	3.6	4.0
200-220		1.6	2.0	.1									3.7	5.2	6.0
230-250		2.9	4.3	2.8	.5								10.5	7.3	6.0
(W) 260-280		4.1	10.8	6.8	2.0	.1							23.8	8.3	8.0
290-310		5.2	6.6	3.7	.3								15.8	6.7	6.0
320-340		2.0	2.7	.4	.1								5.2	5.4	5.0
VARIABLE		.1	2.1	2.0	.3								4.5	9.4	9.5
CALM		////////////////////////////////////											9.2	////////////////////////////////	
TOTALS		33.9	36.7	16.7	3.3	.1							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 752

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.9	.1									2.5	4.5	4.0
020-040	2.0	1.2	.1									3.3	4.8	4.0
050-070	2.3	3.2	.5									6.0	5.3	5.0
(E) 080-100	1.6	1.6										3.2	4.5	4.5
110-130	3.3	1.2										4.5	3.4	3.0
140-160	.9	.7										1.6	4.2	3.5
(S) 170-190	2.1	.7										2.8	3.9	4.0
200-220	1.7	3.1		.1								4.9	5.5	5.0
230-250	2.5	4.8	3.3	.4								11.1	7.6	7.0
(W) 260-280	4.1	7.5	6.0	2.4	.1							20.1	8.7	8.0
290-310	4.9	8.4	4.1	.1								17.6	6.7	6.0
320-340	4.5	4.3	1.3	.1								10.3	5.7	5.0
VARIABLE	.3	4.3	2.9	.5								8.0	9.7	9.0
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	31.7	41.9	18.3	3.6	.1							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.0										3.9	4.6	4.5
020-040	2.7	3.2										5.9	4.5	5.0
050-070	3.6	2.9	.5									7.0	5.3	4.0
(E) 080-100	3.0	.9										3.9	3.4	3.0
110-130	1.3	.4	.2									1.8	4.1	3.0
140-160	1.1	1.1										2.1	4.4	4.5
(S) 170-190	2.0	.5										2.5	3.4	3.0
200-220	2.3	1.8	.4									4.5	5.4	4.0
230-250	2.7	3.8	1.6	.9	.2							9.1	7.5	6.0
(W) 260-280	5.2	9.8	7.0	2.0								23.9	8.1	8.0
290-310	4.3	9.3	2.5	.7								16.8	6.8	6.0
320-340	3.6	4.1	1.1	.4								9.1	5.9	5.0
VARIABLE	.2	3.9	1.8	.2								6.1	8.8	8.0
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	34.0	43.7	15.1	4.2	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 560

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.1	1.0	.1	.0								2.3	4.5
020-040	2.0	1.2	.0									3.3	4.0
050-070	4.6	2.1	.5									7.2	4.0
(E) 080-100	2.6	1.4										3.9	3.0
110-130	2.0	.7	.0									2.8	3.0
140-160	1.1	.6										1.6	4.0
(S) 170-190	1.6	.6	.1									2.3	4.0
200-220	1.8	2.4	.2	.0								4.5	5.0
230-250	3.1	4.8	2.8	.4	.0							11.1	6.0
(W) 260-280	5.0	9.0	6.2	1.8	.1							22.1	8.0
290-310	4.5	7.0	2.9	.3								14.7	6.0
320-340	2.8	2.9	.7	.1								6.5	5.0
VARIABLE	.1	2.7	1.8	.3								4.9	9.0
CALM	////////////////////////////////////										12.9	////////	
TOTALS	32.3	36.4	15.3	2.9	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2721



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.1										3.3	3.7	2.5
020-040	2.2											2.2	2.5	2.5
050-070	8.7	1.6										10.3	3.3	3.0
(E) 080-100	2.2	.5										2.7	4.0	4.0
110-130	3.8											3.8	2.4	3.0
140-160	.5											.5	1.0	1.0
(S) 170-190		.5										.5	5.0	5.0
200-220														
230-250	1.6	1.1										2.7	3.8	4.0
(W) 260-280	7.1	12.0	5.4	1.1								25.5	7.0	6.0
290-310	4.9	11.4	1.6									17.9	6.1	6.0
320-340	5.4	4.9										10.3	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											20.1	////////////////////////////////	
TOTALS	38.6	33.1	7.0	1.1								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 184

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.7	.3										.9	3.4	3.0
020-040	1.6											1.6	1.8	2.0
050-070	3.5	1.1	.1									4.7	3.1	2.0
(E) 080-100	3.4	.5										3.9	2.8	2.0
110-130	.8	.1										.9	3.1	4.0
140-160	.5											.5	2.5	2.5
(S) 170-190	.9	.9	.4									2.3	5.4	5.0
200-220	1.3	1.3	.5									3.2	5.7	5.5
230-250	3.5	5.9	3.0									12.4	6.7	6.0
(W) 260-280	5.4	7.4	1.9	.4	.1							15.2	6.2	6.0
290-310	3.1	4.0	.8									8.0	5.4	5.0
320-340	1.3	.9										2.3	4.2	4.0
VARIABLE		.3	.3									.5	10.0	9.5
CALM	////////////////////////////////////											43.4	////////	
TOTALS	26.0	22.7	7.0	.4	.1							100.0	3.0	5.0
TOTAL NUMBER OF OBSERVATIONS /42														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	.9										3.5	3.4	2.5
020-040	2.2	.4	.1									2.7	3.3	3.0
050-070	4.9	1.4	.2									6.5	3.6	3.0
(E) 080-100	4.1	2.3										6.4	4.2	4.0
110-130	2.8	1.6										4.4	4.1	4.0
140-160	1.8	.9										2.7	4.3	4.0
(S) 170-190	.4	1.5										1.9	6.2	5.5
200-220	1.1	2.0	.2									3.3	6.1	6.0
230-250	2.6	5.7	4.0	.2								12.5	7.7	8.0
(W) 260-280	2.7	7.6	5.5	.8	.2							16.8	8.4	8.0
290-310	4.9	5.8	2.0									12.7	6.0	6.0
320-340	4.4	4.6	.4	.1								9.5	4.9	5.0
VARIABLE		2.7	1.9	.4								4.9	9.8	9.0
CALM	////////////////////////////////////											12.1	////////	
TOTALS	34.5	37.4	14.3	1.5	.2							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 856

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.2	.1									3.2	4.8	4.0
020-040	2.6	.8										3.4	3.9	4.0
050-070	2.6	2.2	.4									5.2	4.8	4.5
(E) 080-100	2.6	3.1	.4									6.0	5.0	5.0
110-130	2.6	1.5										4.1	4.3	4.0
140-160	.8	1.2										2.0	4.6	5.0
(S) 170-190	.6	1.3	.6									2.5	6.5	6.0
200-220	1.4	.9	.1	.1								2.6	5.4	4.0
230-250	1.6	4.5	2.2	.7								9.1	8.0	7.0
(W) 260-280	3.3	7.8	7.9	1.2	.4	.1						20.6	9.0	9.0
290-310	4.9	6.1	3.1	.4								14.5	6.7	6.0
320-340	4.2	6.8	.7									11.8	5.7	6.0
VARIABLE		5.4	2.9	.8								9.2	9.8	8.5
CALM	////////////////////////////////////											6.0	////////	
TOTALS	29.1	42.8	18.4	3.2	.4	.1						100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.2										4.8	5.2	5.0
020-040	2.7	.8										3.5	3.8	4.0
050-070	2.1	2.4	.5									5.0	5.3	5.0
(E) 080-100	3.7	2.2	.2									6.1	4.2	4.0
110-130	1.9	1.0										2.9	3.9	3.0
140-160	1.3	.3										1.6	3.0	3.0
(S) 170-190	1.3	1.1										2.4	5.4	4.0
200-220	.8	1.4	.3									2.6	5.7	5.0
230-250	1.1	4.0	1.9	.5								7.5	7.8	7.0
(W) 260-280	3.5	8.3	7.5	1.1	.6							21.2	8.7	8.0
290-310	5.9	8.7	3.2									17.8	6.4	6.0
320-340	4.0	6.7	1.3	.3								12.4	6.1	6.0
VARIABLE		3.7	3.5	.3								7.5	9.8	10.0
CALM	////////////////////////////////////											4.7	////////	
TOTALS	29.9	43.8	18.4	2.2	.6							100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 623														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.3	.0									3.1	4.4	4.0
020-040	2.3	.5	.0									2.8	3.4	3.0
050-070	3.4	1.8	.3									5.4	4.1	4.0
(E) 080-100	3.4	2.1	.1									5.6	4.2	4.0
110-130	2.1	1.1										3.2	4.1	4.0
140-160	1.1	.7										1.8	4.0	4.0
(S) 170-190	.7	1.2	.3									2.2	5.9	5.0
200-220	1.2	1.4	.5	.0								2.9	5.7	5.0
230-250	2.2	5.1	2.8	.4								10.5	7.5	7.0
(W) 260-280	3.7	7.7	5.7	.9	.3	.0						18.4	8.2	8.0
290-310	4.7	6.1	2.2	.1								13.1	6.2	6.0
320-340	3.5	4.8	.6	.1								9.0	5.5	5.0
VARIABLE		3.1	2.1	.4								5.6	9.8	9.0
CALM	////////////////////											16.5	////////	
TOTALS	30.0	36.9	14.4	1.9	.3							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 3071

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	2.6										6.2	4.4	4.0
020-040	2.1											2.1	2.8	2.5
050-070	1.5	1.5	1.0									4.1	6.3	6.0
(E) 080-100	1.5	2.1										3.6	5.3	5.0
110-130	1.0											1.0	2.5	2.5
140-160	.5											.5	3.0	3.0
(S) 170-190	1.0											1.0	1.5	1.5
200-220	2.6		1.0									3.6	4.4	2.0
230-250	2.6	2.6	5.7	.5								11.3	9.0	10.0
(W) 260-280	5.2	10.8	8.8	1.0	.5							26.3	8.7	8.0
290-310	4.1	7.2	2.1									13.4	6.4	5.5
320-340	4.1	3.6	.5									8.2	5.0	4.5
VARIABLE														
CALM	////////////////////////////////////											18.6	////////	
TOTALS	29.8	30.4	19.1	1.5	.5							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 194

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHFIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1											.1	3.0	3.0
020-040	.4	.1										.5	3.5	3.5
050-070	4.2	.6										4.8	3.0	2.0
(E) 080-100	1.7	.5										2.2	3.1	3.0
110-130	.1											.1	2.0	2.0
140-160	1.0	.1	.1									1.2	3.8	3.0
(S) 170-190	.1	.2										.4	5.7	8.0
200-220	2.0	2.6	.1									4.7	5.3	6.0
230-250	4.3	5.7	1.5									11.6	5.9	6.0
(W) 260-280	6.2	7.3	1.5	.2	.1							15.4	5.9	5.0
290-310	3.7	3.4	.2									7.3	4.9	4.0
320-340	.7	1.0	.1									1.9	5.3	5.0
VARIABLE	.2	.1	.1									.5	6.0	5.5
CALM	////////////////////////////////////											49.2	////////	
TOTALS	24.7	21.6	3.6	.2	.1							100.0	2.6	5.0

TOTAL NUMBER OF OBSERVATIONS 805



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.6										1.9	3.6	4.0
020-040	2.5	.4										2.9	2.9	2.5
050-070	5.7	1.5	.1									7.3	3.5	3.0
(E) 080-100	4.6	1.9	.1									6.6	3.8	4.0
110-130	1.6	1.0										2.6	4.4	4.0
140-160	.7	.9										1.6	4.9	5.0
(S) 170-190	1.6	.9	.4									2.9	5.5	4.0
200-220	1.9	2.1	.2									4.3	5.0	5.0
230-250	3.5	4.4	2.6	.2								10.7	6.5	6.0
(W) 260-280	4.2	10.0	3.7	.8	.1	.4						19.2	7.9	7.0
290-310	7.1	6.3	2.2	.1	.1							15.8	5.6	5.0
320-340	3.4	2.0	.2									5.6	4.5	4.0
VARIABLE		2.4	1.7	.2								4.3	9.7	9.0
CALM	////////////////////////////////////											14.4	////////	
TOTALS	38.1	34.4	11.2	1.3	.2	.4						100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.2										1.7	3.2	3.0
020-040	1.7	1.1	.4									3.3	4.6	4.0
050-070	2.1	2.2	.3									4.7	4.8	5.0
(E) 080-100	3.6	2.4	.2									6.2	4.3	4.0
110-130	2.2	1.6	.1									3.9	4.2	4.0
140-160	1.3	1.2										2.6	4.0	4.0
(S) 170-190	1.8	.8	.3									2.9	4.5	4.0
200-220	2.4	2.1	.6									5.1	5.1	5.0
230-250	3.0	4.5	1.7	.8								10.0	6.9	6.0
(W) 260-280	3.8	8.0	7.1	1.5	.1	.1						20.6	8.5	8.0
290-310	5.4	8.1	2.9	.3								16.7	6.3	6.0
320-340	3.9	4.8	.3									9.1	5.2	5.0
VARIABLE		3.8	3.3	.2	.2							7.5	10.0	9.0
CALM	////////////////////////////////////											5.7	////////	
TOTALS	32.7	40.8	17.2	2.8	.3	.1						100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.4	.1									5.3	4.1	4.0
020-040	3.0	.9	.1									4.0	3.5	3.0
050-070	2.7	2.1	.1	.3								5.3	5.2	4.0
(E) 080-100	2.1	2.4	.1									4.7	4.8	5.0
110-130	1.9	1.7										3.6	4.4	4.0
140-160	.6	.6										1.1	4.8	4.5
(S) 170-190	1.6	.7										2.3	4.1	4.0
200-220	2.6	2.3										4.9	4.7	4.0
230-250	2.1	4.9	2.3	.1								9.4	7.3	7.0
(W) 260-280	3.7	8.4	7.4	.4	.1							20.1	8.1	8.0
290-310	5.0	6.9	3.1	.3	.1							15.4	6.5	6.0
320-340	5.1	4.9	.6									10.6	4.7	5.0
VARIABLE		3.3	2.1	.4								5.9	9.9	9.0
CALM	////////////////////////////////////											7.4	////////	
TOTALS	33.1	41.5	15.9	1.5	.2							100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 700														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.4	.7	.0									2.1	3.8	4.0
020-040		1.9	.6	.2									2.6	3.7	3.0
050-070		3.7	1.6	.2	.1								5.6	4.0	4.0
(E) 080-100		3.1	1.8	.1									5.0	4.1	4.0
110-130		1.5	1.1	.0									2.6	4.3	4.0
140-160		.9	.7	.0									1.7	4.3	4.0
(S) 170-190		1.3	.7	.2									2.2	4.8	4.0
200-220		2.2	2.3	.2									4.7	5.0	5.0
230-250		3.3	4.8	2.0	.3								10.4	6.6	6.0
(W) 260-280		4.5	8.5	4.9	.8	.1	.2						18.8	7.7	7.0
290-310		5.4	6.2	2.1	.2	.1							13.9	6.0	6.0
320-340		3.3	3.1	.3									6.7	4.9	5.0
VARIABLE		.1	2.4	1.8	.2	.1							4.6	9.8	9.0
CALM		////////////////////////////////////											19.1	////////////////////////////////	
TOTALS		32.6	34.5	12.0	1.6	.3	.2						100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 3286

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	1.1	.4										1.4
020-040	1.4	.7										2.2
050-070	5.4	1.8										7.2
(E) 080-100	1.8	1.4										3.2
110-130												
140-160												
(S) 170-190	.4											.4
200-220		.7										.7
230-250	1.4	2.9										4.3
(W) 260-280	2.2	11.5	5.0	.7								19.4
290-310	11.5	6.8	2.2									20.4
320-340	3.6	2.9										6.5
VARIABLE												
CALM	////////////////////////////////////										34.4	////////////////////////////////
TOTALS	28.8	29.1	7.2	.7								100.0

TOTAL NUMBER OF OBSERVATIONS 279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.3										.9	3.6	4.0
020-040	.7	.1										.8	2.0	2.5
050-070	3.4	.7										4.0	2.9	2.0
(E) 080-100	3.2	.1										3.4	2.6	2.0
110-130	1.3											1.3	2.5	2.0
140-160	.5	.3										.8	3.5	3.0
(S) 170-190	.3	.5	.4									1.2	6.8	6.0
200-220	1.7	2.3	.7									4.7	6.0	6.0
230-250	5.4	6.7	2.7	.3								15.0	6.2	6.0
(W) 260-280	6.4	3.8	.9	.9								12.1	5.6	4.0
290-310	3.0	2.4	.1									5.5	4.6	4.0
320-340	.3	1.2										1.5	5.5	6.0
VARIABLE		.8	.1									.9	8.9	9.0
CALM	////////////////////////////////////											47.8	////////	
TOTALS	26.9	19.2	4.9	1.2								100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS 745														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.0	.1									2.7	4.6	4.0
020-040	2.7	1.0										3.7	3.1	2.0
050-070	5.8	1.5										7.3	3.6	3.0
(E) 080-100	3.2	1.2										4.4	3.7	4.0
110-130	2.3	1.4										3.7	4.1	4.0
140-160	.6	.8	.3	.1								1.8	6.4	5.0
(S) 170-190	1.4	.5										1.9	3.9	3.0
200-220	1.4	2.3	.8									4.5	6.2	6.0
230-250	2.2	5.3	3.3	.3	.1							11.2	7.9	8.0
(W) 260-280	3.3	7.8	4.1	1.8	.3							17.3	8.4	7.0
290-310	3.6	4.9	1.2	.4								10.0	6.1	5.0
320-340	2.6	1.5		.1								4.2	4.7	4.0
VARIABLE		2.3	1.5	.5								4.4	9.8	9.0
CALM	////////////////////////////////////											22.8	////////	
TOTALS	30.6	31.5	11.3	3.2	.4							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 779

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.8										4.7	4.3	4.0
020-040	2.1	1.5	.1									3.8	4.4	4.0
050-070	4.9	2.4	.3									7.6	4.2	3.5
(E) 080-100	2.6	2.0										4.7	4.1	4.0
110-130	2.6	1.8										4.4	4.4	4.0
140-160	1.1	.6	.4									2.1	5.2	4.0
(S) 170-190	1.1	1.3										2.4	5.5	5.0
200-220	1.8	2.1										3.9	5.1	5.0
230-250	1.4	4.3	3.5	.6	.1							9.9	8.9	8.0
(W) 260-280	3.1	7.7	6.9	1.9	.1							19.8	8.9	9.0
290-310	4.8	5.2	2.3	.4								12.6	6.4	6.0
320-340	4.4	2.9	.1									7.4	4.5	4.0
VARIABLE		5.3	2.9	.5								8.7	9.3	9.0
CALM	////////////////////////////////////											8.1	////////////////////////////////	
TOTALS	32.8	38.9	16.5	3.4	.2							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 794



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.2										5.1	4.2	4.0
020-040	2.4	1.9	.1									4.5	4.6	4.0
050-070	4.6	2.1										6.7	4.1	4.0
(E) 080-100	2.7	1.9										4.6	4.3	4.0
110-130	3.1	.9										4.0	3.5	4.0
140-160	.3	1.0										1.3	5.7	6.0
(S) 170-190	1.8	.3										2.1	2.9	2.5
200-220	2.4	1.6										4.0	4.4	4.0
230-250	2.5	4.2	2.8	.7	.3							10.6	8.3	8.0
(W) 260-280	3.1	10.1	7.6	.9	.3							22.0	8.5	8.0
290-310	4.8	6.4	2.1	.1								13.4	6.2	6.0
320-340	3.4	1.9	.3	.1								5.8	4.9	4.0
VARIABLE		3.7	2.8	.4	.1							7.1	9.9	9.0
CALM	////////////////////////////////////											8.8	////////	
TOTALS	33.9	38.2	15.7	2.2	.7							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 672

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.0	1.3	.0									3.3	4.3	4.0
020-040	2.0	1.1	.1									3.2	4.0	4.0
050-070	4.7	1.7	.1									6.4	3.8	3.0
(E) 080-100	2.9	1.3										4.2	3.7	4.0
110-130	2.3	1.0										3.4	3.9	4.0
140-160	.7	.7	.2	.0								1.5	5.4	5.0
(S) 170-190	1.1	.7	.1									1.9	4.3	4.0
200-220	1.8	2.1	.4									4.3	5.5	5.5
230-250	2.8	5.1	3.1	.5	.1							11.7	7.7	7.0
(W) 260-280	4.0	7.3	4.8	1.4	.2							17.7	8.1	8.0
290-310	4.0	4.7	1.4	.2								10.3	6.0	6.0
320-340	2.7	1.9	.1	.1								4.7	4.7	4.0
VARIABLE		3.0	1.8	.4	.0							5.3	9.6	9.0
CALM	////////////////////////////////////											22.0	////////	
TOTALS	31.0	31.9	12.1	2.6	.3							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 2990

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.3										4.4	4.0	4.0
020-040	3.6	.6										4.2	2.8	2.0
050-070	7.0	.6										7.6	2.9	3.0
(E) 080-100	4.4	1.3										5.7	3.1	3.0
110-130	2.3	.2										2.5	3.4	3.0
140-160	.4	.2										.6	3.7	4.0
(S) 170-190	.6											.6	2.7	3.0
200-220	.6											.6	2.0	2.0
230-250	2.3	3.2	.6	.2	.2							6.6	6.4	6.0
(W) 260-280	6.4	3.8	.2	.6								11.0	5.0	4.0
290-310	6.4	3.6										10.0	3.6	3.0
320-340	3.8	3.0										6.8	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											39.2	////////////////////////////////	
TOTALS	41.0	17.8	.8	.8	.2							100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS 472

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	3.7	4.0
020-040	1.2	.3										1.5	3.3	3.0
050-070	3.2	.4										3.6	2.9	2.0
(E) 080-100	7.9	3.1										10.9	3.5	3.0
110-130	4.2	1.0										5.2	3.3	3.0
140-160	.9	.6	.1									1.6	4.9	4.0
(S) 170-190	.7	.3	1.2	.1								2.3	7.8	10.0
200-220	1.6	2.0	.7									4.4	6.1	6.0
230-250	3.6	6.3	4.4	.4								14.7	7.3	7.0
(W) 260-280	2.9	3.8	2.2	.6	.6							10.0	8.1	7.0
290-310	2.2	.9	.1	.1								3.3	4.8	4.0
320-340	.3	.4										.7	5.0	6.0
VARIABLE		.6	.4	.1								1.2	10.0	9.0
CALM	////////////////////////////////////											40.0	////////	
TOTALS	29.1	19.7	9.1	1.3	.6							100.0	3.4	5.0

TOTAL NUMBER OF OBSERVATIONS 687

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.9	.1										1.0	3.5	3.5
020-040		1.4	.5										1.9	3.3	2.0
050-070		4.8	1.6	.1									6.5	3.5	3.0
(E) 080-100		6.0	4.9										10.9	4.3	4.0
110-130		4.5	3.1										7.6	4.5	4.0
140-160		3.4	.9										4.3	3.8	4.0
(S) 170-190		1.3	1.4		.3								3.0	6.1	5.0
200-220		2.2	2.3	1.2		.3							6.0	7.0	6.0
230-250		1.6	5.0	5.7	1.0								13.3	9.1	10.0
(W) 260-280		1.9	4.9	4.4	1.7	.4							13.3	9.2	8.0
290-310		2.3	2.6	.9									5.8	5.8	6.0
320-340		.8	1.4										2.2	5.9	6.0
VARIABLE			3.9	1.4									5.3	8.9	8.0
CALM		////////////////////////////////////											18.9	////////	
TOTALS		31.1	32.6	13.7	3.0	.7							100.0	5.3	6.0
TOTAL NUMBER OF OBSERVATIONS 773															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.5	.4										.9	3.6	4.0
020-040	2.7	1.0										3.7	3.7	3.0
050-070	3.6	1.5	.4									5.5	4.4	3.0
(E) 080-100	3.9	4.9	.2									9.0	4.7	5.0
110-130	5.5	3.2	.4									9.1	4.4	4.0
140-160	3.4	1.9										5.2	4.1	4.0
(S) 170-190	2.2	2.2	.9									5.4	6.1	5.0
200-220	2.6	2.4	1.0	.4	.1							6.5	6.7	5.0
230-250	1.2	4.2	4.4	.9	.1							10.8	9.2	9.0
(W) 260-280	1.2	6.0	6.0	1.7	.2							15.2	9.9	10.0
290-310	2.7	3.5	2.0	.1								8.4	6.6	6.0
320-340	1.7	1.5										3.2	4.6	4.0
VARIABLE		4.6	3.5	.4								8.5	9.4	9.0
CALM	////////////////////////////////////											8.6	////////	
TOTALS	31.2	37.3	18.8	3.5	.4							100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 802														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.6	.5										2.2	3.6	3.0
020-040	1.9	.3										2.2	3.2	3.0
050-070	3.5	3.3	.1									7.0	4.6	4.0
(E) 080-100	6.7	2.7	.6									10.0	4.1	3.0
110-130	6.1	2.7	.1									8.9	4.1	4.0
140-160	3.0	2.0										5.1	3.8	4.0
(S) 170-190	2.3	1.8	.1									4.2	4.5	4.0
200-220	3.5	1.1	.8	.1								5.6	5.1	4.0
230-250	2.0	5.3	3.3	.8	.3	.1						11.8	8.4	8.0
(W) 260-280	2.7	6.5	5.3	1.1	.1							15.7	8.8	8.0
290-310	2.2	3.7	1.0	.3								7.1	6.6	6.0
320-340	3.0	1.5	.1									4.7	4.3	4.0
VARIABLE		2.7	1.1	.1								3.9	9.2	8.0
CALM	////////////////////////////////////											11.9	//////////	
TOTALS	38.5	34.1	12.5	2.4	.4	.1						100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEI '6 - AUG 91  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.9	.3									1.1	3.6	3.0
020-040	1.8	.5									2.4	3.4	3.0
050-070	3.8	1.7	.2								5.7	4.0	3.0
(E) 080-100	6.0	3.9	.2								10.2	4.2	4.0
110-130	5.1	2.6	.1								7.8	4.2	4.0
140-160	2.7	1.4	.0								4.1	4.0	4.0
(S) 170-190	1.7	1.5	.5	.1							3.8	5.9	5.0
200-220	2.5	2.0	.9	.1	.1						5.6	6.3	5.0
230-250	2.1	5.2	4.4	.8	.1	.0					12.6	8.5	8.0
(W) 260-280	2.2	5.3	4.6	1.3	.3						13.7	9.1	8.0
290-310	2.4	2.7	1.0	.1							6.3	6.2	6.0
320-340	1.5	1.2	.0								2.8	4.8	4.0
VARIABLE	3.0	1.7	.2								4.8	9.3	8.5
CALM	////////////////////////////////////										19.1	////////////////////////////////	
TOTALS	32.7	31.3	13.6	2.6	.5						100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 3052



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.2										1.8	3.3	4.0
020-040	2.2	1.1										3.4	4.0	4.0
050-070	5.9	1.8										7.7	3.4	3.0
(E) 080-100	9.6	4.0	.2									13.7	3.7	3.5
110-130	8.1	2.6										10.7	3.5	3.0
140-160	4.6	1.6										6.2	3.8	4.0
(S) 170-190	1.9	.3										2.2	2.9	2.5
200-220	1.1	.5										1.6	3.5	3.5
230-250	1.0	2.1	1.6									4.6	7.8	7.0
(W) 260-280	1.6	4.2	1.9	.2								7.8	7.5	8.0
290-310	3.7	3.2	.2									7.0	4.7	4.0
320-340	2.9	2.6										5.4	5.0	4.0
VARIABLE														
CALM	////////////////////											27.8	////////	
TOTALS	44.2	24.2	3.9	.2								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 626

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3											.3	1.5	1.5
020-040	2.4		.5									2.9	4.1	3.0
050-070	1.5	1.9	.3									3.8	5.6	5.5
(E) 080-100	3.9	.7										4.6	3.4	4.0
110-130	4.4	1.0										5.5	3.3	3.0
140-160	1.2	.9	.2									2.2	4.5	4.0
(S) 170-190	2.0	1.7	.9	.2								4.8	6.2	6.5
200-220	1.9	2.7	1.2	.2								6.0	7.0	7.0
230-250	4.8	6.1	5.8	.9	.3							17.9	8.0	8.0
(W) 260-280	3.4	5.6	5.5	.7	.2							15.4	8.2	8.5
290-310	1.7	2.9	1.4	.3								6.3	7.2	6.0
320-340	1.0	.7										1.7	4.1	4.0
VARIABLE		.3		.3	.2							.9	13.6	16.0
CALM	////////////////////////////////////											27.8	////////////////////////////////	
TOTALS	28.5	24.5	15.8	2.6	.7							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.1	.3									1.2	4.9	4.0
020-040	1.1	.4	.1									1.6	4.0	3.0
050-070	2.3	4.0	.8									7.1	5.9	6.0
(E) 080-100	3.2	1.8	.1									5.1	4.2	4.0
110-130	2.6	2.1										4.7	4.1	4.0
140-160	1.5	1.1										2.6	4.4	4.0
(S) 170-190	1.8	3.2	.8	.3								6.0	6.4	6.0
200-220	2.7	3.3	.7	.4								7.1	6.3	5.0
230-250	4.1	4.3	4.4	1.6	.1							14.6	8.3	8.0
(W) 260-280	3.0	6.9	6.2	2.2	.4							18.7	9.3	9.0
290-310	1.9	3.6	1.4	.3								7.1	7.3	7.0
320-340	1.2	.8	.1									2.2	4.6	4.0
VARIABLE		1.1	.4	.5	.1							2.2	11.1	9.5
CALM	////////////////////////////////////											19.6	////////	
TOTALS	26.2	32.7	15.3	5.3	.6							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 728														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.8	.3									2.0	5.4	5.0
020-040	1.2	.9	.1									2.3	5.1	4.0
050-070	4.0	3.2	1.3									8.5	5.3	5.0
(E) 080-100	3.3	2.7	.4									6.4	5.1	4.0
110-130	2.8	3.3	.1									6.3	4.9	5.0
140-160	2.3	1.6	.3									4.1	4.5	4.0
(S) 170-190	1.3	3.1	.1									4.5	5.9	6.0
200-220	2.0	4.0	.8	.3								7.1	6.6	6.0
230-250	1.9	5.9	5.2	1.1	.1							14.1	9.0	9.0
(W) 260-280	2.0	6.4	9.3	2.4	.9	.1						21.2	10.6	10.0
290-310	2.4	4.1	1.2	.3								8.0	6.5	6.0
320-340	2.1	2.1		.1								4.4	5.1	5.0
VARIABLE	.9	1.1	.7	.1								2.8	11.8	11.0
CALM	////////////////////////////////////											8.3	//////////	
TOTALS	26.2	39.0	20.2	4.9	1.1	.1						100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 750

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.3	.1									1.6	4.7	3.5
020-040	1.5	.3										1.8	3.2	3.0
050-070	4.0	4.0	1.1									9.0	5.9	5.0
(E) 080-100	5.8	2.9	.7	.1								9.5	4.5	4.0
110-130	4.1	1.8										5.9	3.7	3.0
140-160	3.6	1.2										4.8	3.6	3.0
(S) 170-190	2.6	1.9	.3									4.8	4.5	4.0
200-220	1.8	2.2	1.4	.1								5.5	6.9	6.5
230-250	2.6	6.2	3.2	.8								12.7	8.0	8.0
(W) 260-280	3.3	7.0	6.3	1.0	.1	.3						17.9	8.9	8.0
290-310	2.3	2.1	.4									4.8	5.2	5.0
320-340	2.2	1.8	.4									4.4	5.0	4.5
VARIABLE		1.1	.4	.4								1.9	10.4	9.0
CALM	////////////////////////////////////											15.3	//////////	
TOTALS	35.0	32.8	14.3	2.4	.1	.3						100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 730														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.3	.2									1.4	4.8	4.0
020-040	1.5	.4	.2									2.1	4.2	3.0
050-070	3.0	3.3	.9									7.3	5.7	5.0
(E) 080-100	4.0	2.1	.3	.0								6.5	4.4	4.0
110-130	3.4	2.1	.0									5.6	4.0	4.0
140-160	2.2	1.2	.1									3.5	4.2	4.0
(S) 170-190	1.9	2.5	.5	.1								5.0	5.8	5.0
200-220	2.1	3.1	1.0	.3								6.4	6.7	6.0
230-250	3.3	5.6	4.6	1.1	.1							14.7	8.4	8.0
(W) 260-280	2.9	6.5	6.9	1.6	.4	.1						18.5	9.4	9.0
290-310	2.1	3.2	1.1	.2								6.6	6.6	6.0
320-340	1.7	1.4	.1	.0								3.3	4.9	4.0
VARIABLE	.9	.5	.5	.1								2.0	11.4	10.0
CALM	////////////////////////////////////											17.2	////////	
TOTALS	29.0	32.6	16.4	3.8	.6	.1						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 2794

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.0	.5	.2									1.7	5.0	4.0
020-040	1.2	.7	.2									2.1	4.4	3.0
050-070	4.0	4.2	1.2									9.3	5.8	6.0
(E) 080-100	5.6	1.4	.1									7.1	3.8	4.0
110-130	4.2	3.6										7.8	4.1	4.0
140-160	3.3	1.7										5.0	3.8	4.0
(S) 170-190	2.3	1.6										4.0	4.1	4.0
200-220	1.5	1.5	.1									3.1	4.9	5.0
230-250	4.3	3.0	3.3	.1								10.7	6.8	6.0
(W) 260-280	3.5	5.7	5.4	.6	.2	.1						15.5	8.1	8.0
290-310	3.3	4.3	.5	.1								8.2	5.3	5.0
320-340	2.3	2.2	.2	.1								4.9	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											20.5	////////////////////////////////	
TOTALS	36.5	30.4	11.2	.9	.2	.1						100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 858

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6	.2									1.1	6.3	6.0
020-040	1.1	.6	.2									1.9	4.2	3.0
050-070	2.1	1.9	.2									4.1	4.5	4.5
(E) 080-100	7.1	1.9	.4									9.4	3.6	3.0
110-130	4.7	2.1	.4									7.1	4.0	4.0
140-160	2.3	1.9	.2									4.3	4.4	4.0
(S) 170-190	.9	1.7	.9	.6								4.1	8.0	7.5
200-220	1.3	1.1	2.1	.4								4.9	8.1	9.0
230-250	2.1	6.8	4.5	.4	.9							14.6	9.0	8.0
(W) 260-280	2.8	6.0	4.5	1.9	.9	.2						16.3	9.9	8.0
290-310	.9	1.5	.4		.2							3.0	6.9	6.0
320-340	.2	.6	.4									1.1	7.7	7.5
VARIABLE		1.1	2.3	.2								3.6	10.6	10.0
CALM	////////////////////////////////////											24.4	////////////////////////////////	
TOTALS	25.9	27.8	16.7	3.5	2.0	.2						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 533



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.7										1.0	5.4	6.0
020-040	1.4	.5	.2									2.1	4.5	4.0
050-070	4.1	2.2	.4									6.7	4.5	4.0
(E) 080-100	4.8	3.3	.1									8.3	4.5	4.0
110-130	4.5	3.2	.4									8.0	4.8	4.0
140-160	1.6	1.7	.1									3.5	4.9	5.0
(S) 170-190	1.7	2.2	1.4									5.3	6.8	6.0
200-220	.9	1.5	1.9	.1	.2							4.6	9.2	9.0
230-250	2.7	5.8	6.1	2.2	.9	.1						17.8	9.9	10.0
(W) 260-280	2.5	6.1	5.9	2.2	1.4							18.1	10.3	10.0
290-310	1.2	2.0	1.1	.1								4.5	7.1	7.0
320-340	.4	.6	.2	.1								1.4	7.0	7.0
VARIABLE		.6	1.5	.2								2.4	11.6	12.0
CALM	////////////////////////////////////											16.5	//////////	
TOTALS	26.0	30.4	19.3	4.9	2.5	.1						100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 808

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.1	1.3										1.5	6.9	7.0
020-040		.8	.4	.1									1.3	4.8	4.0
050-070		2.9	2.1	.8									5.9	5.3	4.5
(E) 080-100		4.8	4.3	.3									9.3	4.7	4.0
110-130		4.9	2.7	.3									7.9	4.5	4.0
140-160		2.7	1.5	.1	.1								4.4	4.5	4.0
(S) 170-190		1.3	1.5	.8	.4								4.0	7.4	6.0
200-220		3.2	2.3	.9	.1	.1							6.7	6.2	6.0
230-250		1.1	4.8	5.2	1.9	.5							13.5	10.5	10.0
(W) 260-280		3.3	7.3	6.8	4.4	.8	.4	.1					23.2	10.9	10.0
290-310		1.1	2.8	1.3		.1							5.3	7.7	7.0
320-340		1.3	1.1										2.4	4.9	4.0
VARIABLE			.9	1.7	.4	.1							3.2	12.0	12.0
CALM		////////////////////////////////////											11.3	////////	
TOTALS		27.5	33.0	18.3	7.3	1.6	.4	.1					100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 749															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.3	2.8	2.5
020-040	1.2	.3										1.5	3.2	3.0
050-070	4.5	3.5	.2									8.1	4.4	4.0
(E) 080-100	6.9	3.1										10.1	4.0	3.0
110-130	4.5	2.3	.2									6.9	4.0	4.0
140-160	1.3	1.0										2.3	4.2	4.0
(S) 170-190	1.5	1.8	.8	.3								4.5	6.8	6.0
200-220	2.8	1.3	.2	.2	.2							4.6	5.5	4.0
230-250	1.8	3.6	6.0	2.1	.2	.2						13.9	10.0	10.0
(W) 260-280	3.3	5.1	6.3	2.6	.3	.2						17.9	10.0	10.0
290-310	1.5	2.5	1.3	.2								5.5	7.2	6.0
320-340	1.2	.7										1.8	4.0	4.0
VARIABLE		1.5	2.0	.2								3.6	10.5	10.5
CALM	////////////////////////////////////											18.0	////////	
TOTALS	31.7	26.9	17.0	5.6	.7	.4						100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 605

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.7	.0									1.2	5.4	6.0
020-040	1.1	.4	.1									1.7	4.3	4.0
050-070	3.5	2.4	.4									6.3	4.7	4.0
(E) 080-100	5.8	3.3	.2									9.2	4.2	4.0
110-130	4.6	2.6	.3									7.6	4.4	4.0
140-160	2.0	1.5	.1	.0								3.6	4.5	4.0
(S) 170-190	1.4	1.8	1.0	.3								4.5	7.2	6.0
200-220	2.0	1.6	1.3	.2	.1							5.2	7.2	6.0
230-250	1.9	5.2	5.5	1.7	.6	.1						15.1	9.9	10.0
(W) 260-280	3.0	6.2	6.0	2.9	.9	.2	.0					19.1	10.4	10.0
290-310	1.2	2.2	1.1	.1	.1							4.6	7.3	7.0
320-340	.8	.7	.1	.0								1.7	5.5	5.0
VARIABLE	1.0	1.8	.3	.0								3.1	11.2	11.0
CALM	////////////////////											17.0	////////////////	
TOTALS	27.7	29.6	17.9	5.5	1.7	.3						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 2695

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.5										.7	5.5	5.5
020-040	1.4	.4	.2									2.0	4.1	3.0
050-070	5.3	.6	.2									6.2	3.6	3.0
(E) 080-100	7.0	4.5	.4									11.8	4.4	4.0
110-130	7.6	5.5	.6									13.7	4.6	4.0
140-160	2.9	3.0										5.8	4.5	5.0
(S) 170-190	1.1	1.4	.4									2.9	5.7	6.0
200-220	1.6	.4	.5									2.5	5.4	4.0
230-250	1.5	3.5	4.1	.7	.5	.1						10.4	9.8	10.0
(W) 260-280	4.6	5.6	5.2	1.6	.4	.1	.1					17.6	9.1	8.0
290-310	2.0	1.4	.5									3.9	5.3	4.0
320-340	1.2	.6										1.9	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	36.4	27.4	12.1	2.3	.9	.2	.1					100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 805

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.9	.1	.0								2.1	4.7	4.0
020-040	1.9	1.2	.2									3.3	4.6	4.0
050-070	3.9	2.5	.6	.0	.0							7.0	4.9	4.0
(E) 080-100	3.8	2.7	.4	.1	.0							7.0	4.8	4.0
110-130	2.9	2.1	.2									5.1	4.5	4.0
140-160	1.5	1.0	.1	.0								2.6	4.6	4.0
(S) 170-190	1.3	1.4	.5	.1								3.2	6.1	6.0
200-220	1.7	2.3	1.0	.2	.0	.0						5.2	6.8	6.0
230-250	2.3	4.7	3.8	1.0	.2	.0	.0					12.1	8.6	8.0
(W) 260-280	3.1	6.4	5.8	1.9	.6	.1	.0	.0				17.9	9.4	9.0
290-310	3.0	4.0	1.8	.2	.1	.0						9.1	6.7	6.0
320-340	2.0	2.1	.4	.0								4.5	5.4	5.0
VARIABLE	.0	2.1	1.5	.3	.0							3.9	9.9	9.0
CALM	////////////////////											16.9	////////////////	
TOTALS	28.5	33.4	16.4	3.8	.9	.1						100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS: 35607

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.0	.1									2.5	4.7	4.0
020-040	2.3	1.5	.3									4.2	4.7	4.0
050-070	5.5	2.8	.6	.0								8.9	4.5	4.0
(E) 080-100	5.0	2.4	.2									7.6	4.0	4.0
110-130	4.4	2.4	.1									6.9	4.1	4.0
140-160	2.6	1.5	.0									4.1	4.1	4.0
(S) 170-190	1.3	.8	.1	.0								2.3	4.8	4.0
200-220	1.0	.8	.3	.0								2.1	5.5	5.0
230-250	2.0	3.0	2.6	.5	.1	.0						8.2	8.2	8.0
(W) 260-280	3.2	5.5	4.8	1.3	.4	.0	.0					15.3	8.9	8.0
290-310	3.3	4.0	.9	.1	.1	.0						8.3	5.8	5.0
320-340	2.0	2.2	.2	.0								4.5	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											25.1	////////	
TOTALS	34.0	27.9	10.2	1.9	.6							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS: 6722





PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.1	11.2	14.7	15.5	18.2	19.8	21.2	22.2	22.6	23.4	23.6	23.6	23.6	24.2	24.4	24.8
GE 20000	11.2	12.3	16.1	17.4	20.7	22.3	23.7	24.7	25.2	25.9	26.1	26.1	26.1	26.7	26.9	27.4
GE 18000	11.2	12.5	16.3	17.6	20.9	22.5	23.9	24.8	25.3	26.1	26.3	26.3	26.3	26.9	27.1	27.5
GE 16000	11.2	12.5	16.3	17.6	20.9	22.5	23.9	24.8	25.3	26.1	26.3	26.3	26.3	26.9	27.1	27.5
GE 14000	11.2	12.5	16.3	17.6	20.9	22.5	23.9	24.8	25.3	26.1	26.3	26.3	26.3	26.9	27.1	27.5
GE 12000	11.6	12.8	16.6	17.9	21.2	22.8	24.2	25.2	25.6	26.4	26.6	26.6	26.6	27.2	27.4	27.8
GE 10000	12.3	13.6	18.0	19.3	22.6	24.2	25.6	26.6	27.1	27.8	28.0	28.0	28.0	28.6	28.8	29.3
GE 9000	12.5	13.8	18.2	19.5	22.8	24.4	25.8	26.7	27.2	28.0	28.2	28.2	28.2	28.8	29.0	29.4
GE 8000	14.4	16.3	21.0	22.3	25.6	27.2	28.6	29.7	30.2	31.0	31.2	31.2	31.2	31.8	32.0	32.4
GE 7000	14.7	16.9	21.7	22.9	26.4	28.0	29.4	30.5	31.0	31.8	32.0	32.0	32.0	32.6	32.8	33.2
GE 6000	14.7	17.1	21.8	23.1	26.6	28.2	29.6	30.7	31.2	32.0	32.1	32.1	32.1	32.8	32.9	33.4
GE 5000	15.8	18.2	23.4	24.7	28.5	30.1	31.5	32.6	33.1	33.9	34.0	34.0	34.0	34.7	34.8	35.3
GE 4500	17.2	19.6	25.5	26.7	30.9	32.4	33.9	35.0	35.4	36.2	36.4	36.4	36.4	37.0	37.2	37.7
GE 4000	20.4	22.8	30.1	32.3	37.7	39.7	41.3	42.4	42.9	43.7	43.8	43.8	43.8	44.5	44.6	45.1
GE 3500	21.4	23.7	31.3	33.7	39.7	42.1	44.0	45.1	45.6	46.4	46.5	46.5	46.5	47.2	47.3	47.8
GE 3000	24.8	27.5	37.0	40.0	46.7	49.4	51.7	53.0	53.5	54.3	54.4	54.4	54.4	55.1	55.2	55.7
GE 2500	26.6	29.3	39.2	42.6	49.8	52.5	54.9	56.3	56.8	57.6	57.8	57.8	57.8	58.4	58.5	59.0
GE 2000	27.5	30.2	43.4	47.5	56.0	59.3	61.7	63.1	63.8	64.9	65.3	65.7	65.7	66.5	66.6	67.1
GE 1800	28.0	30.7	44.1	48.4	57.8	61.1	63.4	64.9	65.5	66.6	67.1	67.4	67.4	68.2	68.4	68.8
GE 1500	29.0	31.8	47.0	51.9	61.9	65.2	67.6	69.3	70.3	71.5	72.0	72.5	72.6	73.4	73.6	74.1
GE 1200	30.4	33.2	49.5	55.1	66.0	69.6	72.3	74.2	75.2	76.7	77.2	77.7	77.8	78.6	78.8	79.3
GE 1000	30.9	33.9	50.3	56.3	68.4	72.3	75.6	77.7	78.6	80.4	80.9	81.3	81.5	82.3	82.4	82.9
GE 900	31.0	34.0	50.6	57.0	69.6	73.7	77.8	80.4	81.5	83.4	83.9	84.3	84.5	85.3	85.4	85.9
GE 800	31.0	34.0	50.9	57.8	70.6	74.8	79.1	82.3	83.5	85.6	86.2	86.7	86.9	87.7	87.8	88.3
GE 700	31.2	34.2	51.1	57.9	71.0	75.8	80.9	84.5	85.8	87.8	88.6	89.1	89.2	90.0	90.2	90.7
GE 600	31.2	34.2	51.1	57.9	71.5	76.7	82.6	87.0	88.4	90.5	91.6	92.2	92.6	93.5	93.7	94.1
GE 500	31.2	34.2	51.1	57.9	71.7	77.1	83.2	88.3	89.7	91.9	93.2	93.8	94.1	95.1	95.3	95.9
GE 400	31.2	34.2	51.1	57.9	71.7	77.1	83.2	88.4	90.2	92.7	94.1	94.9	95.3	96.4	96.7	97.3
GE 300	31.2	34.2	51.1	57.9	71.7	77.2	83.4	88.6	90.3	92.9	94.3	95.3	95.6	97.0	97.3	98.1
GE 200	31.2	34.2	51.1	57.9	71.7	77.2	83.4	88.8	90.5	93.0	94.5	95.7	96.7	98.3	98.9	99.7
GE 100	31.2	34.2	51.1	57.9	71.7	77.2	83.4	88.8	90.5	93.0	94.5	95.7	96.7	98.3	99.1	100.0
GE 000	31.2	34.2	51.1	57.9	71.7	77.2	83.4	88.8	90.5	93.0	94.5	95.7	96.7	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.4	10.7	13.6	14.3	15.8	17.4	18.6	19.4	20.3	21.5	21.5	21.7	21.9	22.4	22.8	23.1
GE 20000	12.1	12.5	16.6	17.7	19.7	21.3	22.6	23.4	24.3	25.4	25.4	25.7	25.8	26.3	26.7	27.2
GE 18000	12.3	12.7	16.8	18.0	20.1	21.7	23.0	23.9	24.8	26.0	26.0	26.2	26.3	26.9	27.2	27.8
GE 16000	12.3	12.7	16.8	18.0	20.1	21.7	23.0	23.9	24.8	26.0	26.0	26.2	26.3	26.9	27.2	27.8
GE 14000	12.5	12.9	17.0	18.1	20.2	21.9	23.1	24.0	24.9	26.1	26.1	26.3	26.5	27.0	27.4	27.9
GE 12000	13.6	14.0	18.1	19.3	21.3	23.0	24.3	25.2	26.1	27.2	27.2	27.5	27.6	28.1	28.5	29.0
GE 10000	13.9	14.3	18.6	19.8	21.9	23.5	24.8	25.7	26.7	27.9	27.9	28.1	28.3	28.8	29.2	29.7
GE 9000	14.7	15.3	19.9	21.1	23.3	24.9	26.3	27.2	28.3	29.4	29.4	29.7	29.8	30.3	30.7	31.2
GE 8000	18.1	19.0	24.0	25.2	28.0	29.7	31.5	32.4	33.5	34.7	34.7	35.0	35.1	35.6	36.0	36.5
GE 7000	20.1	21.0	26.6	28.1	31.4	33.3	35.1	36.0	37.3	38.4	38.4	38.7	38.8	39.3	39.7	40.2
GE 6000	20.1	21.0	26.6	28.1	31.5	33.4	35.2	36.1	37.4	38.6	38.6	38.8	38.9	39.5	39.8	40.4
GE 5000	20.6	21.6	27.5	29.0	32.5	34.4	36.2	37.3	38.6	39.7	39.7	40.0	40.1	41.0	41.4	41.9
GE 4500	21.2	22.5	28.0	29.3	34.1	36.1	38.0	39.1	40.5	41.6	41.6	41.9	42.0	42.9	43.3	43.8
GE 4000	24.2	25.7	32.5	34.8	38.9	41.3	43.4	44.6	46.0	47.2	47.2	47.4	47.6	48.5	48.8	49.4
GE 3500	24.9	26.6	33.9	36.4	40.7	43.1	45.6	46.8	48.2	49.4	49.4	49.6	49.7	50.6	51.0	51.5
GE 3000	28.1	29.0	38.4	41.4	46.8	49.6	52.3	53.5	55.0	56.3	56.4	56.7	56.9	57.8	58.2	58.7
GE 2500	29.7	31.5	41.3	44.7	50.5	53.3	56.2	57.3	58.9	60.3	60.4	60.7	60.9	61.8	62.2	62.7
GE 2000	31.5	33.9	45.0	48.8	55.0	58.1	61.3	62.7	64.5	65.9	66.2	66.6	67.0	67.9	68.3	68.8
GE 1800	32.1	34.6	45.6	49.6	55.9	59.1	62.3	64.0	65.8	67.4	67.6	68.0	68.6	69.5	69.9	70.4
GE 1500	33.3	35.7	47.6	51.8	58.6	62.0	65.4	67.9	70.1	71.9	72.4	73.0	73.7	74.6	74.9	75.4
GE 1200	35.2	37.7	50.8	55.4	63.1	66.8	70.4	73.7	75.8	77.9	78.4	79.0	79.7	80.6	81.0	81.5
GE 1000	35.9	38.4	51.9	56.8	65.7	70.6	74.3	77.6	79.8	81.9	82.4	83.0	83.7	84.6	85.0	85.5
GE 900	35.9	38.4	51.9	56.9	66.7	71.6	76.0	79.4	81.6	83.7	84.2	84.8	85.5	86.5	86.9	87.4
GE 800	35.9	38.4	52.1	57.1	67.2	72.4	77.2	81.2	83.4	85.5	86.5	87.1	87.8	88.8	89.2	89.7
GE 700	35.9	38.4	52.1	57.1	67.4	72.9	78.5	82.8	85.2	87.3	88.6	89.2	89.8	90.9	91.3	91.8
GE 600	35.9	38.4	52.1	57.1	67.4	73.8	79.9	85.0	87.5	90.0	91.6	92.5	93.2	94.7	95.1	95.6
GE 500	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.2	89.3	92.2	93.8	94.7	95.6	97.2	97.6	98.5
GE 400	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.5	89.7	92.5	94.3	95.2	96.3	97.8	98.2	99.4
GE 300	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.5	89.7	92.5	94.3	95.2	96.4	97.9	98.3	99.7
GE 200	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.5	89.7	92.5	94.3	95.2	96.4	97.9	98.3	99.9
GE 100	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.5	89.7	92.5	94.3	95.2	96.4	97.9	98.3	100.0
GE 000	35.9	38.4	52.1	57.1	67.4	73.8	80.2	86.5	89.7	92.5	94.3	95.2	96.4	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 778

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.1	12.0	15.0	16.1	18.0	18.7	19.4	20.9	21.3	22.3	22.6	23.1	23.6	23.6	23.6	23.6
GE 20000	14.9	16.2	20.1	21.7	24.2	24.9	25.7	27.5	28.0	28.9	29.3	29.7	30.2	30.2	30.2	30.2
GE 18000	15.2	16.5	20.4	22.0	24.8	25.5	26.3	28.1	28.6	29.5	29.9	30.3	30.8	30.8	30.8	30.8
GE 16000	15.2	16.5	20.4	22.0	24.8	25.5	26.3	28.1	28.6	29.5	29.9	30.3	30.8	30.8	30.8	30.8
GE 14000	15.4	16.7	20.6	22.3	25.0	25.7	26.5	28.3	28.8	29.7	30.1	30.6	31.0	31.0	31.0	31.0
GE 12000	16.2	17.7	21.8	23.5	26.2	26.9	27.7	29.5	30.0	30.9	31.3	31.8	32.2	32.2	32.2	32.2
GE 10000	16.8	18.2	22.5	24.2	26.9	27.6	28.4	30.2	30.7	31.6	32.0	32.5	32.9	32.9	32.9	32.9
GE 9000	17.5	19.0	23.2	24.9	27.6	28.3	29.3	31.0	31.5	32.6	32.9	33.4	33.9	33.9	33.9	33.9
GE 8000	20.9	22.5	28.0	29.9	32.8	33.6	35.0	36.7	37.2	38.3	38.6	39.1	39.6	39.6	39.6	39.6
GE 7000	22.5	24.6	30.5	32.5	35.5	36.4	37.9	40.2	40.6	41.9	42.3	42.8	43.2	43.2	43.2	43.2
GE 6000	22.5	24.6	30.5	32.5	35.5	36.4	37.9	40.2	40.6	41.9	42.3	42.8	43.2	43.2	43.2	43.2
GE 5000	23.6	25.7	31.5	33.5	36.6	37.4	39.1	41.4	42.2	43.5	43.8	44.3	44.8	44.8	44.8	44.8
GE 4500	24.1	26.4	32.3	34.5	38.0	38.9	40.5	42.8	43.6	45.0	45.5	46.0	46.4	46.4	46.4	46.4
GE 4000	26.5	29.1	35.8	37.9	41.9	42.9	44.8	47.2	48.0	49.4	49.9	50.4	50.8	50.9	50.9	50.9
GE 3500	28.6	31.2	38.0	40.2	44.9	46.0	48.1	50.5	51.3	52.7	53.2	53.7	54.1	54.3	54.3	54.3
GE 3000	33.2	36.1	44.2	46.7	52.4	54.1	56.4	58.9	59.7	61.1	61.6	62.2	62.7	62.8	62.8	62.8
GE 2500	34.7	38.0	46.8	50.2	56.3	58.2	60.5	63.2	64.0	65.4	65.9	66.5	66.9	67.1	67.1	67.1
GE 2000	38.7	42.3	52.6	56.3	62.4	64.6	67.4	70.1	71.2	73.0	73.5	74.1	74.5	74.6	74.6	74.6
GE 1800	39.9	43.5	53.8	57.6	63.7	65.9	68.7	71.6	72.6	74.4	74.9	75.5	75.9	76.1	76.1	76.1
GE 1500	41.4	45.0	55.9	60.1	67.1	69.8	72.7	75.7	76.9	78.8	79.3	80.1	80.6	80.7	80.7	80.7
GE 1200	42.7	46.3	57.8	62.6	70.4	73.6	76.5	79.6	81.0	83.1	83.6	84.7	85.4	85.5	85.5	85.5
GE 1000	43.1	46.8	58.5	63.3	72.0	75.5	78.7	82.1	83.8	85.8	86.5	87.6	88.3	88.4	88.4	88.4
GE 900	43.2	46.9	58.6	63.4	72.6	76.5	80.3	84.0	86.0	88.0	89.0	90.0	90.9	91.0	91.0	91.0
GE 800	43.2	46.9	58.6	63.5	73.6	78.0	82.1	85.9	87.9	89.9	90.9	91.9	92.8	92.9	92.9	92.9
GE 700	43.2	46.9	58.6	63.5	73.7	78.8	84.1	88.5	90.5	92.7	93.6	94.7	95.5	95.6	95.6	95.6
GE 600	43.2	46.9	58.6	63.5	73.8	79.6	85.1	89.6	91.6	93.8	94.9	96.0	96.9	97.0	97.0	97.0
GE 500	43.2	46.9	58.6	63.5	73.9	79.7	85.2	90.4	92.4	94.7	95.7	96.8	97.7	97.9	97.9	98.1
GE 400	43.2	46.9	58.6	63.5	73.9	79.7	85.5	90.9	93.0	95.3	96.6	97.6	98.6	98.7	98.8	99.1
GE 300	43.2	46.9	58.6	63.5	73.9	79.7	85.5	90.9	93.0	95.3	96.7	97.7	98.7	98.8	98.9	99.5
GE 200	43.4	47.0	58.8	63.6	74.1	79.9	85.7	91.0	93.1	95.4	96.8	97.9	98.8	98.9	99.1	100.0
GE 100	43.4	47.0	58.8	63.6	74.1	79.9	85.7	91.0	93.1	95.4	96.8	97.9	98.8	98.9	99.1	100.0
GE 000	43.4	47.0	58.8	63.6	74.1	79.9	85.7	91.0	93.1	95.4	96.8	97.9	98.8	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 844

D - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.1	12.6	15.9	16.8	18.2	19.3	20.3	21.2	21.5	22.0	22.2	22.6	23.1	23.1	23.1	23.1
GE 20000	15.8	16.5	21.4	22.5	24.2	25.3	26.6	27.5	27.9	28.4	28.5	29.0	29.5	29.5	29.5	29.5
GE 18000	16.5	17.4	22.3	23.4	25.1	26.3	27.5	28.5	28.9	29.4	29.5	30.0	30.5	30.5	30.5	30.5
GE 16000	16.5	17.4	22.3	23.4	25.1	26.3	27.5	28.5	28.9	29.4	29.5	30.0	30.5	30.5	30.5	30.5
GE 14000	17.0	17.9	22.8	23.9	25.6	26.8	28.0	29.0	29.4	29.9	30.0	30.5	31.0	31.0	31.0	31.0
GE 12000	17.6	18.6	23.9	25.0	26.7	27.9	29.1	30.1	30.5	31.0	31.1	31.6	32.1	32.1	32.1	32.1
GE 10000	18.5	19.5	25.0	26.6	28.3	29.5	30.7	31.7	32.1	32.6	32.7	33.2	33.7	33.7	33.7	33.7
GE 9000	19.2	20.3	26.1	27.7	29.4	30.6	31.8	32.8	33.2	33.7	33.8	34.3	34.8	34.8	34.8	34.8
GE 8000	23.5	25.0	31.5	33.3	35.3	36.5	37.8	38.9	39.3	39.9	40.0	41.0	41.5	41.5	41.5	41.5
GE 7000	25.7	27.4	34.3	36.1	38.3	39.5	40.9	42.0	42.6	43.2	43.3	44.3	44.8	44.8	44.8	44.8
GE 6000	25.8	27.5	34.4	36.2	38.4	39.7	41.0	42.1	42.7	43.3	43.5	44.4	44.9	44.9	44.9	44.9
GE 5000	26.8	28.5	35.6	37.6	39.8	41.0	42.5	43.8	44.6	45.5	45.7	46.6	47.1	47.1	47.1	47.1
GE 4500	27.7	29.4	36.5	38.4	40.9	42.1	43.6	45.0	45.8	46.8	46.9	47.9	48.3	48.3	48.3	48.3
GE 4000	30.1	32.1	39.5	41.6	44.4	45.7	47.6	49.4	50.2	51.2	51.3	52.3	52.8	52.8	52.8	52.8
GE 3500	31.7	33.9	41.6	43.9	47.2	48.5	50.4	52.3	53.0	54.0	54.1	55.1	55.6	55.6	55.6	55.6
GE 3000	35.0	37.6	46.6	50.1	54.1	55.7	57.8	59.6	60.5	61.4	61.6	62.5	63.2	63.2	63.2	63.2
GE 2500	36.5	39.4	49.2	53.0	57.3	59.2	61.6	63.4	64.3	65.4	65.5	66.5	67.1	67.1	67.1	67.1
GE 2000	39.4	42.7	53.6	58.5	64.3	66.6	69.4	71.2	72.3	73.6	73.7	74.7	75.4	75.4	75.4	75.4
GE 1800	39.4	42.7	53.9	58.8	64.5	67.1	69.9	71.7	72.8	74.1	74.4	75.5	76.3	76.3	76.3	76.3
GE 1500	41.1	44.4	56.9	62.2	68.8	71.5	74.7	76.5	77.8	79.1	79.6	80.7	81.4	81.4	81.4	81.4
GE 1200	41.6	44.9	58.1	63.9	71.2	74.7	78.1	80.2	81.6	83.0	83.5	84.6	85.8	85.8	85.8	85.8
GE 1000	42.4	45.7	59.1	65.4	72.9	76.9	80.3	82.5	84.0	85.3	85.8	86.9	88.1	88.2	88.2	88.2
GE 900	42.4	45.7	59.1	65.7	73.4	77.5	81.5	84.1	85.6	87.1	87.8	88.9	90.1	90.2	90.2	90.2
GE 800	42.4	45.7	59.1	65.9	74.1	78.5	82.9	85.8	87.3	89.0	89.7	90.8	92.0	92.2	92.2	92.2
GE 700	42.4	45.7	59.1	65.9	74.1	78.8	83.6	86.5	88.0	90.0	90.7	91.8	93.0	93.1	93.1	93.1
GE 600	42.4	45.7	59.1	65.9	74.1	79.4	84.8	88.5	90.2	92.2	92.9	94.0	95.3	95.5	95.5	95.5
GE 500	42.4	45.7	59.1	65.9	74.1	79.7	85.3	89.0	90.8	92.9	93.6	94.9	96.3	96.6	96.6	96.6
GE 400	42.4	45.7	59.1	65.9	74.1	79.9	85.8	89.6	91.4	93.5	94.2	95.5	97.2	97.6	97.8	97.8
GE 300	42.4	45.7	59.1	65.9	74.1	79.9	85.8	89.6	91.6	93.9	94.9	96.1	97.8	98.4	98.8	99.3
GE 200	42.4	45.7	59.1	65.9	74.1	79.9	85.8	89.6	91.6	93.9	94.9	96.2	97.9	98.5	98.9	99.6
GE 100	42.4	45.7	59.1	65.9	74.1	79.9	85.8	89.6	91.6	93.9	94.9	96.2	97.9	98.5	98.9	99.9
GE 000	42.4	45.7	59.1	65.9	74.1	79.9	85.8	89.6	91.6	93.9	94.9	96.2	97.9	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 817

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.0	11.7	14.8	15.7	17.6	18.8	19.8	20.8	21.4	22.2	22.4	22.7	23.0	23.3	23.4	23.6
GE 20000	13.7	14.6	18.8	20.0	22.3	23.6	24.7	25.9	26.4	27.3	27.5	27.8	28.1	28.3	28.5	28.7
GE 18000	14.0	14.9	19.1	20.4	22.9	24.1	25.3	26.5	27.0	27.9	28.0	28.4	28.7	28.9	29.0	29.3
GE 16000	14.0	14.9	19.1	20.4	22.9	24.1	25.3	26.5	27.0	27.9	28.0	28.4	28.7	28.9	29.0	29.3
GE 14000	14.2	15.2	19.4	20.7	23.1	24.4	25.5	26.7	27.3	28.1	28.3	28.6	28.9	29.1	29.3	29.5
GE 12000	15.0	16.0	20.4	21.7	24.1	25.3	26.5	27.7	28.2	29.1	29.2	29.6	29.9	30.1	30.3	30.5
GE 10000	15.6	16.6	21.3	22.7	25.1	26.4	27.5	28.7	29.3	30.2	30.3	30.6	30.9	31.2	31.3	31.6
GE 9000	16.2	17.3	22.1	23.5	26.0	27.3	28.5	29.7	30.3	31.1	31.3	31.6	31.9	32.2	32.3	32.5
GE 8000	19.5	21.0	26.5	28.0	30.8	32.1	33.5	34.8	35.4	36.3	36.5	36.9	37.2	37.5	37.6	37.8
GE 7000	21.1	22.9	28.7	30.4	33.3	34.7	36.2	37.6	38.3	39.3	39.5	39.9	40.2	40.5	40.6	40.8
GE 6000	21.2	22.9	28.8	30.5	33.4	34.8	36.3	37.7	38.4	39.4	39.6	40.0	40.3	40.6	40.7	40.9
GE 5000	22.1	23.9	29.9	31.7	34.7	36.1	37.7	39.2	40.0	41.1	41.3	41.7	42.0	42.4	42.5	42.7
GE 4500	22.9	24.8	31.1	32.9	36.3	37.7	39.3	40.8	41.7	42.8	43.0	43.5	43.8	44.1	44.3	44.5
GE 4000	25.6	27.7	34.8	37.0	41.0	42.6	44.5	46.1	47.0	48.1	48.3	48.8	49.1	49.5	49.6	49.8
GE 3500	27.0	29.2	36.6	38.9	43.4	45.1	47.2	48.9	49.8	50.9	51.1	51.5	51.8	52.2	52.4	52.6
GE 3000	30.7	33.2	41.9	44.9	50.2	52.4	54.8	56.5	57.4	58.6	58.8	59.3	59.7	60.0	60.2	60.4
GE 2500	32.2	34.9	44.5	48.0	53.8	56.1	58.5	60.3	61.3	62.5	62.7	63.2	63.6	64.0	64.1	64.3
GE 2000	34.8	37.8	49.0	53.2	59.7	62.4	65.2	67.1	68.3	69.7	70.0	70.6	71.0	71.4	71.6	71.8
GE 1800	35.4	38.4	49.8	54.0	60.7	63.5	66.3	68.3	69.5	70.9	71.3	71.9	72.4	72.8	73.0	73.2
GE 1500	36.7	39.8	52.2	56.9	64.3	67.3	70.3	72.6	74.0	75.6	76.1	76.9	77.4	77.8	78.0	78.2
GE 1200	38.0	41.1	54.4	59.6	67.9	71.3	74.5	77.1	78.7	80.4	81.0	81.8	82.5	82.9	83.1	83.3
GE 1000	38.6	41.7	55.3	60.8	69.9	73.9	77.4	80.2	81.8	83.6	84.1	85.0	85.7	86.1	86.3	86.5
GE 900	38.6	41.8	55.4	61.1	70.7	75.0	79.0	82.1	83.8	85.7	86.4	87.2	88.0	88.5	88.6	88.8
GE 800	38.6	41.8	55.5	61.3	71.5	76.0	80.5	83.9	85.7	87.7	88.5	89.4	90.1	90.6	90.7	90.9
GE 700	38.7	41.8	55.6	61.3	71.6	76.7	81.9	85.7	87.5	89.6	90.5	91.4	92.1	92.6	92.7	93.0
GE 600	38.7	41.8	55.6	61.3	71.8	77.5	83.2	87.6	89.5	91.7	92.9	93.8	94.7	95.3	95.4	95.7
GE 500	38.7	41.8	55.6	61.3	71.8	77.7	83.6	88.5	90.7	93.0	94.2	95.1	96.1	96.8	96.9	97.3
GE 400	38.7	41.8	55.6	61.3	71.8	77.7	83.8	88.9	91.2	93.6	94.9	95.9	96.9	97.7	97.9	98.4
GE 300	38.7	41.8	55.6	61.3	71.8	77.8	83.8	89.0	91.2	93.7	95.1	96.2	97.2	98.1	98.4	99.2
GE 200	38.7	41.8	55.6	61.4	71.9	77.8	83.8	89.0	91.3	93.8	95.2	96.3	97.5	98.4	98.8	99.8
GE 100	38.7	41.8	55.6	61.4	71.9	77.8	83.8	89.0	91.3	93.8	95.2	96.3	97.5	98.4	98.8	100.0
GE 000	38.7	41.8	55.6	61.4	71.9	77.8	83.8	89.0	91.3	93.8	95.2	96.3	97.5	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3071



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	12.9	20.0	21.7	25.3	26.8	28.3	29.8	30.2	32.1	32.3	33.3	33.3	33.3	33.8	34.2
GE 20000	13.5	14.1	21.1	23.0	26.8	28.3	29.8	31.7	32.1	34.0	34.2	35.2	35.2	35.2	35.7	36.3
GE 18000	13.5	14.1	21.1	23.0	26.8	28.3	30.2	32.1	32.5	34.4	34.6	35.6	35.6	35.6	36.1	36.7
GE 16000	13.5	14.1	21.1	23.0	26.8	28.3	30.2	32.1	32.5	34.4	34.6	35.6	35.6	35.6	36.1	36.7
GE 14000	13.5	14.1	21.1	23.0	26.8	28.3	30.2	32.1	32.5	34.4	34.6	35.6	35.6	35.6	36.1	36.7
GE 12000	13.7	14.3	21.5	23.6	27.4	28.9	30.8	32.7	33.1	35.0	35.2	36.1	36.1	36.1	36.7	37.3
GE 10000	14.1	14.6	22.1	24.1	27.9	29.5	31.4	33.3	34.2	36.1	36.3	37.3	37.3	37.3	37.8	38.4
GE 9000	14.1	14.6	22.1	24.1	27.9	29.5	31.4	33.3	34.2	36.5	36.7	37.6	37.6	37.6	38.2	38.8
GE 8000	15.6	16.2	24.0	26.0	30.2	32.1	34.2	36.3	37.3	39.5	39.7	40.9	40.9	40.9	41.4	42.0
GE 7000	16.7	17.3	25.3	27.4	31.7	33.7	35.9	38.2	39.2	41.4	41.6	42.8	42.8	42.8	43.3	43.9
GE 6000	17.3	17.9	25.9	27.9	32.3	34.2	36.5	38.8	39.7	42.2	42.6	43.7	43.7	43.7	44.3	44.9
GE 5000	19.4	20.0	28.1	30.4	35.0	37.1	39.4	41.6	42.6	45.1	45.4	46.6	46.6	46.8	47.3	47.9
GE 4500	20.9	21.5	29.8	32.1	36.9	39.0	41.3	43.5	44.5	47.0	47.3	48.5	48.5	48.7	49.2	49.8
GE 4000	22.4	23.2	31.9	34.2	39.0	41.1	43.7	46.2	47.1	49.8	50.2	51.3	51.3	51.5	52.1	52.7
GE 3500	24.3	25.1	34.0	36.3	41.6	43.7	46.4	49.6	50.6	54.0	54.4	55.5	55.5	55.7	56.3	56.8
GE 3000	26.0	26.8	36.5	39.0	45.6	47.9	51.0	55.1	56.3	60.3	61.0	62.2	62.4	62.9	63.5	64.1
GE 2500	27.9	28.7	39.4	42.2	50.0	52.3	55.3	60.3	62.0	66.3	67.1	68.3	68.4	69.0	69.6	70.2
GE 2000	30.8	31.7	43.7	47.0	55.9	58.6	61.8	66.7	68.8	73.2	74.0	75.1	75.3	75.9	76.4	77.0
GE 1800	30.8	31.7	43.9	47.1	56.1	58.9	62.2	67.1	69.2	73.6	74.3	75.5	75.7	76.2	76.8	77.4
GE 1500	31.7	32.7	45.1	48.3	58.2	61.4	64.8	70.0	72.4	76.8	77.6	78.7	78.9	79.5	80.0	80.6
GE 1200	32.1	33.1	46.0	49.2	59.7	63.7	67.5	72.8	75.7	80.4	81.4	82.7	82.9	83.5	84.0	84.6
GE 1000	32.1	33.1	46.0	49.2	60.1	65.4	69.6	75.3	78.9	83.7	84.6	86.1	86.3	86.9	87.5	88.0
GE 900	32.1	33.1	46.0	49.4	60.6	66.0	70.7	76.4	80.0	84.8	85.9	87.5	87.6	88.2	88.8	89.4
GE 800	32.1	33.1	46.0	49.4	60.8	66.2	70.9	76.8	80.4	85.4	86.5	88.0	88.2	88.8	89.4	89.9
GE 700	32.1	33.1	46.0	49.4	61.0	66.7	71.7	77.9	82.1	87.1	88.2	89.7	89.9	90.7	91.4	92.0
GE 600	32.1	33.1	46.0	49.4	61.6	67.3	72.4	79.3	83.5	88.6	89.7	91.4	91.6	92.4	93.2	93.7
GE 500	32.1	33.1	46.0	49.4	61.6	67.3	72.4	79.7	83.8	89.0	90.3	92.2	92.4	93.3	94.1	94.7
GE 400	32.1	33.1	46.0	49.4	62.0	67.9	73.0	81.0	85.4	90.5	91.8	93.7	94.1	95.1	95.8	96.4
GE 300	32.1	33.1	46.0	49.4	62.0	67.9	73.0	81.0	85.6	90.7	92.2	94.5	95.2	96.8	97.5	98.7
GE 200	32.1	33.1	46.0	49.4	62.0	67.9	73.0	81.0	85.6	90.7	92.4	94.9	95.6	97.1	98.1	99.2
GE 100	32.1	33.1	46.0	49.4	62.0	67.9	73.0	81.0	85.6	90.7	92.4	94.9	95.6	97.1	98.1	99.6
GE 000	32.1	33.1	46.0	49.4	62.0	67.9	73.0	81.0	85.6	90.7	92.4	94.9	95.6	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 526

D - 2 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.5	12.9	20.7	22.9	25.5	27.3	28.2	29.3	31.4	32.5	33.3	34.6	34.6	34.7	34.8	35.4
GE 20000	14.6	15.2	23.1	25.8	28.8	30.6	31.8	33.6	36.0	37.1	38.0	39.3	39.3	39.4	39.5	40.1
GE 18000	14.6	15.2	23.1	25.8	28.8	30.6	31.8	33.6	36.0	37.1	38.0	39.3	39.3	39.4	39.5	40.1
GE 16000	14.6	15.2	23.1	25.8	28.8	30.6	31.8	33.6	36.0	37.1	38.0	39.3	39.3	39.4	39.5	40.1
GE 14000	14.6	15.2	23.1	25.8	28.8	30.6	31.8	33.6	36.0	37.1	38.0	39.3	39.3	39.4	39.5	40.1
GE 12000	14.6	15.2	23.3	26.0	29.1	30.9	32.1	33.9	36.2	37.3	38.3	39.5	39.5	39.7	39.8	40.4
GE 10000	16.0	16.5	24.9	27.7	30.9	32.6	34.0	35.8	38.4	39.5	40.5	41.7	41.7	41.9	42.0	42.6
GE 9000	16.1	16.7	25.5	28.2	31.4	33.2	34.7	36.5	39.1	40.2	41.2	42.4	42.4	42.6	42.7	43.3
GE 8000	17.8	18.5	28.1	31.4	35.1	37.2	38.7	41.0	44.1	45.3	46.3	47.7	47.7	47.8	47.9	48.5
GE 7000	19.8	20.7	30.6	34.3	38.4	40.5	42.3	44.6	47.8	49.2	50.1	51.5	51.5	51.7	51.8	52.3
GE 6000	20.1	20.9	30.9	34.6	38.7	40.8	42.7	45.0	48.2	49.6	50.6	51.9	51.9	52.1	52.2	52.8
GE 5000	21.5	22.3	32.5	36.5	41.0	43.1	45.2	47.5	50.7	52.1	53.0	54.4	54.4	54.7	54.8	55.4
GE 4500	22.3	23.3	33.5	37.5	42.0	44.1	46.3	48.6	51.8	53.2	54.1	55.5	55.5	55.8	55.9	56.5
GE 4000	24.2	25.2	35.5	39.5	44.2	46.6	48.8	51.1	54.3	56.1	57.2	58.5	58.5	58.8	59.0	59.5
GE 3500	24.7	25.6	36.0	39.9	45.2	47.5	49.7	52.1	55.2	57.4	58.5	59.9	59.9	60.2	60.3	60.9
GE 3000	27.4	28.7	39.9	44.4	50.0	52.6	55.1	58.1	62.1	65.0	66.8	68.2	68.3	68.6	68.7	69.3
GE 2500	28.0	29.3	40.8	45.2	51.4	54.1	56.9	59.9	64.6	67.5	69.6	70.9	71.1	71.3	71.5	72.0
GE 2000	29.8	31.3	43.4	48.1	54.8	57.7	60.6	63.9	68.6	71.5	73.8	75.2	75.6	75.9	76.0	76.6
GE 1800	29.9	31.4	43.5	48.2	55.2	58.5	61.4	64.9	69.6	72.5	74.8	76.2	76.6	76.9	77.0	77.5
GE 1500	30.4	32.0	44.2	48.9	56.1	59.8	62.8	66.7	71.8	74.9	77.5	79.2	79.6	79.9	80.0	80.6
GE 1200	31.0	32.6	45.3	50.0	57.2	61.2	64.3	68.6	74.0	77.4	80.4	82.1	82.5	82.8	82.9	83.5
GE 1000	31.0	32.8	46.1	51.0	58.3	63.1	66.7	72.2	77.7	81.3	85.3	87.1	87.5	88.0	88.2	88.7
GE 900	31.0	32.8	46.1	51.2	58.7	63.9	67.6	73.4	79.1	82.6	86.8	88.7	89.1	89.7	89.8	90.4
GE 800	31.0	32.8	46.1	51.2	58.8	64.0	67.8	73.7	79.8	83.5	87.7	89.7	90.1	90.6	90.8	91.3
GE 700	31.0	32.8	46.1	51.2	59.2	64.7	69.1	75.1	81.5	85.3	89.9	91.9	92.3	92.8	93.0	93.5
GE 600	31.0	32.8	46.1	51.2	59.4	64.9	69.4	75.3	82.1	85.8	90.6	92.7	93.1	93.7	93.8	94.4
GE 500	31.0	32.8	46.1	51.2	59.5	65.0	69.7	76.2	82.9	86.6	91.7	93.8	94.2	94.9	95.2	95.7
GE 400	31.1	32.9	46.3	51.4	59.6	65.2	69.8	76.4	83.3	87.2	92.4	94.6	95.0	96.0	96.3	96.8
GE 300	31.1	32.9	46.3	51.4	59.6	65.2	69.8	76.6	83.5	87.3	92.7	95.0	95.7	97.1	97.4	98.3
GE 200	31.1	32.9	46.3	51.4	59.6	65.2	69.8	76.6	83.5	87.3	92.8	95.3	96.0	97.4	97.9	99.3
GE 100	31.1	32.9	46.3	51.4	59.6	65.2	69.8	76.6	83.5	87.3	92.8	95.5	96.1	97.5	98.2	99.7
GE 000	31.1	32.9	46.3	51.4	59.6	65.2	69.8	76.6	83.5	87.3	92.8	95.5	96.1	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.0	16.4	20.9	23.2	26.5	29.3	30.3	31.7	33.0	33.3	34.2	34.5	34.5	34.5	34.5	34.5
GE 20000	17.2	18.8	23.6	26.3	30.0	33.3	34.5	35.9	37.7	38.4	39.4	39.6	39.6	39.6	39.6	39.6
GE 18000	17.6	19.2	24.0	26.7	30.3	33.7	35.0	36.4	38.1	38.9	39.9	40.1	40.1	40.1	40.1	40.1
GE 16000	17.6	19.2	24.0	26.7	30.3	33.7	35.0	36.4	38.1	38.9	39.9	40.1	40.1	40.1	40.1	40.1
GE 14000	17.7	19.3	24.2	26.9	30.8	34.2	35.5	36.9	38.6	39.4	40.3	40.6	40.6	40.6	40.6	40.6
GE 12000	18.0	19.6	24.8	27.5	31.5	35.0	36.2	37.7	39.4	40.1	41.1	41.3	41.3	41.3	41.3	41.3
GE 10000	19.3	21.0	26.4	29.2	33.3	36.8	38.0	39.9	41.6	42.3	43.3	43.5	43.5	43.6	43.6	43.6
GE 9000	19.4	21.3	26.9	29.7	33.7	37.3	38.5	40.5	42.2	42.9	43.9	44.1	44.1	44.3	44.3	44.3
GE 8000	21.8	23.7	30.3	33.6	38.5	42.2	43.5	45.7	47.6	48.3	49.3	49.5	49.5	49.6	49.6	49.6
GE 7000	23.3	25.3	32.2	35.8	41.2	45.0	46.6	48.9	50.9	51.6	52.6	52.8	52.8	52.9	52.9	52.9
GE 6000	23.7	25.7	32.8	36.4	41.8	45.6	47.2	49.5	51.5	52.2	53.2	53.4	53.4	53.5	53.5	53.5
GE 5000	25.6	27.5	34.6	38.4	43.9	47.7	49.4	51.7	53.7	54.4	55.4	55.6	55.6	55.7	55.7	55.7
GE 4500	26.3	28.4	35.8	39.6	45.4	49.1	50.9	53.2	55.1	55.9	56.8	57.1	57.1	57.2	57.2	57.2
GE 4000	29.7	31.9	39.7	43.6	49.5	53.8	56.0	58.9	60.9	62.0	63.0	63.2	63.2	63.3	63.3	63.3
GE 3500	31.2	33.4	41.4	45.6	52.0	56.4	58.8	61.9	64.2	65.4	66.4	66.6	66.6	66.7	66.7	66.7
GE 3000	35.2	37.4	46.9	51.7	58.6	63.6	66.1	69.6	72.0	73.5	74.6	74.8	74.8	74.9	75.1	75.1
GE 2500	36.3	38.5	48.3	53.2	60.3	65.5	68.1	71.5	74.1	75.9	77.1	77.4	77.4	77.5	77.6	77.6
GE 2000	38.3	40.5	50.7	55.7	63.4	68.8	71.6	75.3	78.0	79.8	81.5	81.9	81.9	82.0	82.2	82.2
GE 1800	38.3	40.5	50.9	56.0	63.8	69.3	72.1	75.8	78.5	80.3	82.0	82.4	82.4	82.5	82.6	82.6
GE 1500	39.0	41.2	51.7	57.3	65.5	71.0	74.4	78.9	81.5	83.4	85.1	85.7	85.7	85.8	85.9	85.9
GE 1200	39.6	41.8	52.8	58.4	66.7	72.9	76.4	81.2	84.0	86.1	88.4	89.0	89.1	89.2	89.4	89.4
GE 1000	40.1	42.3	53.8	59.5	68.2	74.7	78.4	83.5	87.0	89.2	91.9	92.7	92.8	92.9	93.0	93.0
GE 900	40.3	42.5	54.0	59.9	68.8	75.3	79.6	85.0	88.5	90.7	93.4	94.1	94.3	94.4	94.5	94.5
GE 800	40.6	42.8	54.3	60.1	69.3	75.8	80.1	85.7	89.6	92.2	95.0	95.7	95.8	96.0	96.1	96.1
GE 700	40.6	42.8	54.3	60.1	69.4	76.0	80.8	86.4	90.3	93.2	96.2	96.9	97.1	97.2	97.3	97.3
GE 600	40.6	42.8	54.3	60.1	69.6	76.2	81.1	86.8	90.7	93.6	96.9	97.7	97.8	97.9	98.0	98.0
GE 500	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.4	98.3	98.4	98.5	98.7	98.7
GE 400	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.4	98.3	98.4	98.5	98.7	98.7
GE 300	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.6	98.4	98.5	99.0	99.1	99.1
GE 200	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.6	98.4	98.5	99.3	99.5	99.5
GE 100	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.6	98.5	98.7	99.4	99.6	99.6
GE 000	40.6	42.8	54.3	60.1	69.6	76.2	81.3	87.2	91.1	94.0	97.6	98.5	98.7	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 818

D - 2 - 8

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.4	21.5	26.0	28.4	30.9	33.8	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 20000	24.0	25.1	30.2	33.1	35.9	39.8	40.8	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 18000	24.0	25.1	30.3	33.3	36.1	40.1	41.1	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 16000	24.0	25.1	30.3	33.3	36.1	40.1	41.1	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 14000	24.0	25.1	30.4	33.5	36.2	40.2	41.2	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 12000	25.0	26.1	31.6	34.7	37.5	41.4	42.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 10000	26.7	28.0	33.6	36.9	39.9	43.9	44.9	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
GE 9000	27.2	28.5	34.2	37.5	40.6	44.5	45.5	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3
GE 8000	29.8	31.1	37.5	41.1	45.0	48.9	49.9	50.7	50.7	50.7	50.8	50.8	51.1	51.1	51.1	51.1
GE 7000	31.6	32.8	39.3	42.8	47.0	51.0	52.0	52.7	52.7	52.7	52.9	52.9	53.1	53.1	53.1	53.1
GE 6000	31.7	33.0	39.4	43.0	47.1	51.1	52.1	52.9	52.9	52.9	53.0	53.0	53.2	53.2	53.2	53.2
GE 5000	32.6	33.8	40.3	44.2	48.4	52.5	53.6	54.4	54.5	54.5	54.6	54.6	54.9	54.9	54.9	54.9
GE 4500	33.0	34.2	41.1	45.2	49.6	53.6	54.8	55.5	55.6	55.6	55.8	55.8	56.0	56.0	56.0	56.0
GE 4000	36.2	37.6	45.0	49.8	54.1	58.2	59.4	60.5	61.2	61.6	61.7	61.7	62.0	62.0	62.0	62.0
GE 3500	38.8	40.4	48.2	53.2	58.2	62.7	64.3	65.4	66.2	66.7	66.8	66.8	67.0	67.0	67.0	67.0
GE 3000	43.0	44.6	53.6	59.6	65.4	70.3	72.1	73.9	74.7	75.4	75.5	75.5	75.8	75.8	75.8	75.8
GE 2500	43.7	45.5	55.0	61.2	67.7	72.9	74.7	76.6	77.3	78.1	78.2	78.2	78.5	78.5	78.5	78.5
GE 2000	45.5	47.3	57.7	64.5	71.2	77.3	79.2	81.6	82.6	83.7	83.9	84.2	84.4	84.4	84.4	84.4
GE 1800	45.9	47.7	58.7	65.5	72.5	78.7	80.7	83.1	84.2	85.2	85.4	85.7	85.9	85.9	85.9	85.9
GE 1500	46.0	47.8	59.1	66.3	74.0	80.5	82.5	85.2	86.4	88.0	88.2	88.5	88.8	88.8	88.8	88.8
GE 1200	46.1	48.0	59.3	66.7	74.7	81.2	83.4	86.1	88.0	89.7	90.1	90.4	91.0	91.0	91.0	91.0
GE 1000	46.5	48.4	59.9	67.3	75.8	82.9	85.3	88.0	90.0	91.8	92.3	92.8	93.4	93.4	93.4	93.4
GE 900	46.6	48.5	60.1	67.4	75.9	83.0	85.8	88.5	90.7	92.5	93.0	93.5	94.2	94.2	94.2	94.2
GE 800	46.6	48.5	60.1	67.4	75.9	83.1	86.3	89.1	91.9	94.2	94.8	95.3	95.9	95.9	95.9	95.9
GE 700	46.6	48.5	60.1	67.4	76.3	83.7	87.1	89.9	92.6	94.9	95.6	96.1	96.7	96.7	96.7	96.7
GE 600	46.6	48.5	60.3	67.7	76.6	84.4	88.0	90.9	93.7	96.1	96.7	97.5	98.1	98.1	98.1	98.1
GE 500	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.2	96.6	97.2	98.0	98.6	98.6	98.6	98.6
GE 400	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.2	96.6	97.3	98.2	98.9	98.9	98.9	98.9
GE 300	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.2	96.6	97.5	98.4	99.0	99.4	99.4	99.4
GE 200	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.3	96.7	97.6	98.5	99.1	99.5	99.6	99.6
GE 100	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.3	96.7	97.6	98.5	99.1	99.5	99.6	99.7
GE 000	46.6	48.5	60.3	67.7	76.6	84.5	88.3	91.4	94.3	96.7	97.6	98.5	99.1	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 789

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.4	16.3	22.1	24.3	27.2	29.6	30.6	31.7	32.7	33.4	33.9	34.5	34.5	34.5	34.6	34.8
GE 20000	17.7	18.7	24.8	27.4	30.7	33.5	34.7	36.1	37.3	38.1	38.6	39.2	39.2	39.2	39.4	39.6
GE 18000	17.8	18.9	25.0	27.6	30.9	33.7	35.0	36.4	37.5	38.4	38.9	39.5	39.5	39.5	39.7	39.9
GE 16000	17.8	18.9	25.0	27.6	30.9	33.7	35.0	36.4	37.5	38.4	38.9	39.5	39.5	39.5	39.7	39.9
GE 14000	17.9	18.9	25.1	27.7	31.1	33.9	35.2	36.6	37.7	38.5	39.1	39.7	39.7	39.7	39.8	40.1
GE 12000	18.3	19.3	25.7	28.4	31.8	34.6	35.9	37.3	38.4	39.3	39.8	40.4	40.4	40.4	40.6	40.8
GE 10000	19.6	20.6	27.2	30.0	33.5	36.3	37.7	39.2	40.5	41.3	41.9	42.5	42.5	42.6	42.7	43.0
GE 9000	19.8	20.9	27.7	30.5	34.0	36.8	38.2	39.7	41.0	41.9	42.5	43.1	43.1	43.2	43.3	43.5
GE 8000	21.8	23.0	30.6	33.7	37.9	40.9	42.4	44.2	45.6	46.6	47.2	47.8	47.9	48.0	48.1	48.3
GE 7000	23.5	24.7	32.5	35.8	40.4	43.4	45.0	46.9	48.4	49.4	50.0	50.6	50.7	50.8	50.9	51.2
GE 6000	23.8	25.0	32.8	36.2	40.7	43.8	45.4	47.3	48.9	49.9	50.5	51.1	51.2	51.3	51.4	51.7
GE 5000	25.3	26.5	34.5	38.1	42.8	45.9	47.6	49.5	51.1	52.1	52.7	53.4	53.4	53.6	53.7	54.0
GE 4500	26.1	27.4	35.6	39.2	44.1	47.2	49.0	50.9	52.5	53.5	54.1	54.7	54.8	54.9	55.1	55.3
GE 4000	28.8	30.2	38.7	42.6	47.5	50.8	52.9	55.0	56.8	58.1	58.8	59.4	59.5	59.6	59.8	60.0
GE 3500	30.4	31.8	40.5	44.6	50.1	53.6	55.7	58.1	60.0	61.6	62.3	62.9	63.0	63.1	63.3	63.5
GE 3000	33.7	35.2	45.1	49.7	55.9	59.8	62.2	65.2	67.3	69.4	70.4	71.0	71.1	71.4	71.5	71.8
GE 2500	34.7	36.3	46.6	51.3	58.2	62.2	64.7	67.9	70.3	72.6	73.7	74.3	74.4	74.6	74.8	75.1
GE 2000	36.7	38.4	49.5	54.6	62.0	66.5	69.1	72.6	75.2	77.5	78.8	79.6	79.8	80.0	80.2	80.4
GE 1800	36.9	38.5	49.9	55.0	62.6	67.3	70.0	73.5	76.1	78.4	79.7	80.4	80.7	80.9	81.0	81.3
GE 1500	37.4	39.1	50.6	56.0	64.1	69.0	71.9	75.9	78.7	81.3	82.7	83.5	83.8	84.0	84.2	84.4
GE 1200	37.8	39.6	51.5	56.9	65.2	70.5	73.6	77.8	81.0	83.8	85.6	86.5	86.8	87.0	87.2	87.4
GE 1000	38.1	39.9	52.1	57.6	66.3	72.3	75.7	80.3	84.0	86.9	89.0	90.1	90.4	90.7	90.9	91.1
GE 900	38.2	40.0	52.2	57.9	66.7	72.8	76.6	81.4	85.2	88.1	90.2	91.4	91.7	92.0	92.2	92.4
GE 800	38.3	40.0	52.3	57.9	66.9	73.1	77.0	82.0	86.0	89.3	91.5	92.7	93.0	93.3	93.5	93.7
GE 700	38.3	40.0	52.3	57.9	67.2	73.6	77.9	82.9	87.2	90.5	93.0	94.1	94.4	94.8	95.0	95.2
GE 600	38.3	40.0	52.4	58.0	67.4	73.9	78.4	83.6	88.0	91.4	93.9	95.2	95.6	95.9	96.1	96.3
GE 500	38.3	40.0	52.4	58.0	67.5	74.0	78.7	84.2	88.5	91.9	94.6	95.9	96.3	96.7	96.9	97.2
GE 400	38.3	40.1	52.4	58.0	67.6	74.2	78.8	84.5	88.9	92.3	95.1	96.5	96.9	97.3	97.6	97.8
GE 300	38.3	40.1	52.4	58.0	67.6	74.2	78.8	84.5	89.0	92.4	95.3	96.8	97.3	98.2	98.5	98.9
GE 200	38.3	40.1	52.4	58.0	67.6	74.2	78.8	84.5	89.0	92.4	95.4	97.0	97.5	98.5	98.9	99.4
GE 100	38.3	40.1	52.4	58.0	67.6	74.2	78.8	84.5	89.0	92.4	95.4	97.1	97.6	98.5	99.0	99.7
GE 000	38.3	40.1	52.4	58.0	67.6	74.2	78.8	84.5	89.0	92.4	95.4	97.1	97.6	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.9	14.4	19.6	20.8	23.7	24.3	25.9	26.6	27.0	27.4	27.7	28.5	28.6	28.8	28.8	29.9
GE 20000	16.4	17.9	23.6	25.1	28.3	29.1	30.6	31.5	32.0	32.5	32.8	33.5	33.7	33.8	33.8	34.9
GE 18000	16.8	18.4	24.0	25.7	28.9	29.7	31.2	32.2	32.6	33.1	33.4	34.2	34.3	34.5	34.5	35.5
GE 16000	16.8	18.4	24.0	25.7	28.9	29.7	31.2	32.2	32.6	33.1	33.4	34.2	34.3	34.5	34.5	35.5
GE 14000	16.8	18.4	24.0	25.7	28.9	29.7	31.2	32.2	32.6	33.1	33.4	34.2	34.3	34.5	34.5	35.5
GE 12000	17.3	19.0	24.7	26.3	29.7	30.5	32.0	32.9	33.4	33.8	34.2	34.9	35.1	35.2	35.2	36.3
GE 10000	18.5	20.2	26.5	28.3	31.9	32.8	34.5	35.5	36.0	36.4	36.8	37.5	37.7	37.8	37.8	38.9
GE 9000	19.0	20.8	27.7	29.6	33.1	34.0	35.7	36.9	37.4	38.3	38.6	39.4	39.5	39.7	39.7	40.7
GE 8000	20.7	23.0	30.5	32.3	36.8	37.8	39.7	41.0	41.7	42.6	42.9	43.6	43.8	44.0	44.0	45.3
GE 7000	22.1	24.3	32.2	34.3	39.1	40.1	42.0	43.3	44.0	44.9	45.2	45.9	46.1	46.2	46.2	47.6
GE 6000	22.5	24.8	32.6	34.8	39.5	40.6	42.4	43.8	44.4	45.3	45.6	46.4	46.6	46.7	46.7	48.1
GE 5000	24.7	27.0	34.9	37.1	41.8	42.9	44.7	46.2	47.0	47.9	48.4	49.2	49.3	49.5	49.5	50.8
GE 4500	25.9	28.5	36.8	38.9	44.0	45.0	47.0	48.7	49.5	50.4	50.8	51.6	51.8	51.9	51.9	53.3
GE 4000	27.9	30.5	39.4	42.3	48.4	49.6	51.6	53.4	54.2	55.3	55.7	56.5	56.7	56.8	56.8	58.2
GE 3500	30.3	32.9	42.1	45.0	51.6	52.8	54.8	56.7	57.6	59.0	59.4	60.2	60.3	60.5	60.5	61.9
GE 3000	32.5	35.2	44.7	48.1	55.7	57.6	60.2	62.8	63.7	65.4	66.0	66.8	66.9	67.1	67.1	68.5
GE 2500	33.5	36.4	46.7	50.2	58.3	60.2	63.1	65.8	67.1	68.8	69.4	70.1	70.3	70.4	70.4	71.8
GE 2000	35.4	38.7	50.2	53.8	62.3	64.6	68.1	71.1	72.7	74.7	75.3	76.1	76.3	76.4	76.4	77.8
GE 1800	35.7	39.1	50.7	54.4	63.4	66.0	70.1	73.2	75.2	77.2	77.8	78.6	78.7	78.9	78.9	80.2
GE 1500	36.3	40.1	52.1	56.4	66.0	68.8	73.4	77.0	79.3	81.3	82.1	82.8	83.3	83.5	83.6	85.0
GE 1200	36.4	40.3	52.8	57.3	67.1	70.0	74.7	79.0	81.6	83.9	84.7	85.6	86.1	86.2	86.8	88.2
GE 1000	36.6	40.6	53.4	57.9	67.8	71.1	76.3	80.7	83.5	86.1	86.8	87.7	88.5	88.7	89.3	90.7
GE 900	36.6	40.6	53.4	58.0	68.3	71.5	76.7	81.3	84.1	86.7	87.6	88.5	89.3	89.6	90.2	91.6
GE 800	36.6	40.6	53.4	58.0	68.6	72.0	77.3	81.9	84.7	87.3	88.4	89.6	90.4	90.7	91.3	93.0
GE 700	36.6	40.6	53.4	58.2	68.8	72.3	77.9	82.5	85.5	88.1	89.1	90.4	91.1	91.4	92.0	93.9
GE 600	36.6	40.6	53.4	58.2	68.8	72.7	78.4	83.2	86.2	88.8	89.9	91.1	91.9	92.2	92.8	94.6
GE 500	36.6	40.6	53.4	58.2	68.9	73.0	78.9	83.8	86.8	89.6	91.0	92.5	93.3	93.6	94.2	96.2
GE 400	36.6	40.6	53.4	58.2	68.9	73.0	78.9	84.1	87.1	89.9	91.4	93.1	93.9	94.2	94.8	96.9
GE 300	36.6	40.6	53.4	58.2	68.9	73.0	79.0	84.2	87.3	90.0	91.6	93.3	94.0	94.5	95.3	97.4
GE 200	36.6	40.6	53.4	58.2	68.9	73.0	79.0	84.2	87.3	90.0	91.6	93.3	94.0	94.5	95.4	98.3
GE 100	36.6	40.6	53.4	58.2	68.9	73.0	79.0	84.2	87.3	90.0	91.6	93.3	94.0	94.5	95.4	99.7
GE 000	36.6	40.6	53.4	58.2	68.9	73.0	79.0	84.2	87.3	90.0	91.6	93.3	94.0	94.5	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 653

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.6	12.6	18.1	19.8	22.6	25.4	26.5	26.7	26.8	27.2	27.2	27.3	27.5	27.7	27.8	28.3
GE 20000	15.4	16.6	23.4	25.6	28.6	31.9	33.1	33.3	33.4	33.8	33.8	33.9	34.1	34.3	34.4	34.9
GE 18000	17.0	18.4	25.3	27.7	30.7	33.9	35.1	35.3	35.4	35.8	35.8	35.9	36.2	36.3	36.4	36.9
GE 16000	17.0	18.4	25.3	27.7	30.7	33.9	35.1	35.3	35.4	35.8	35.8	35.9	36.2	36.3	36.4	36.9
GE 14000	17.0	18.4	25.3	27.7	30.8	34.0	35.2	35.4	35.6	35.9	35.9	36.0	36.3	36.4	36.5	37.0
GE 12000	17.7	19.2	26.6	29.0	32.2	35.4	36.6	36.9	37.0	37.4	37.4	37.5	37.7	37.8	38.0	38.4
GE 10000	18.9	20.5	28.1	30.5	33.9	37.1	38.4	39.0	39.2	39.5	39.6	39.8	40.0	40.1	40.2	40.7
GE 9000	19.5	21.1	29.0	31.5	35.1	38.3	39.8	40.4	40.8	41.2	41.3	41.4	41.7	41.8	41.9	42.4
GE 8000	22.4	24.4	32.7	35.3	39.3	42.6	44.1	44.8	45.3	45.7	45.9	46.0	46.2	46.3	46.7	47.3
GE 7000	23.8	25.9	34.5	37.2	42.0	45.5	47.1	47.9	48.4	48.9	49.0	49.1	49.3	49.5	49.8	50.4
GE 6000	23.8	25.9	34.5	37.2	42.0	45.7	47.3	48.3	48.7	49.2	49.3	49.5	49.7	49.8	50.2	50.8
GE 5000	26.0	28.3	37.0	39.8	44.6	48.4	49.9	50.9	51.4	51.9	52.0	52.1	52.3	52.5	52.8	53.4
GE 4500	27.2	29.6	38.3	41.1	46.1	49.9	51.6	52.7	53.3	53.9	54.0	54.1	54.4	54.5	54.9	55.4
GE 4000	28.9	31.5	40.8	44.1	49.5	54.1	56.0	57.2	58.0	58.7	58.8	58.9	59.2	59.3	59.6	60.2
GE 3500	31.7	34.6	44.4	47.8	53.4	58.4	60.5	61.7	62.4	63.4	63.5	63.6	63.8	64.0	64.3	64.9
GE 3000	35.0	38.0	48.3	52.0	58.8	64.2	66.8	68.4	69.1	70.3	70.4	70.7	70.9	71.0	71.4	72.0
GE 2500	36.4	39.8	50.4	54.3	61.2	66.8	69.6	71.3	72.0	73.2	73.3	73.5	73.8	73.9	74.3	74.9
GE 2000	38.1	41.4	53.2	57.1	64.6	70.8	74.3	76.2	77.0	78.2	78.3	78.6	78.9	79.0	79.4	80.0
GE 1800	38.4	41.8	53.7	57.6	65.3	71.6	75.2	77.1	78.2	79.4	79.5	79.8	80.1	80.2	80.6	81.2
GE 1500	39.9	43.6	56.0	60.2	68.4	75.0	78.8	81.7	82.8	84.2	84.7	85.1	85.5	85.6	86.0	86.6
GE 1200	41.6	45.4	58.8	63.2	71.4	78.4	82.4	85.5	86.7	88.4	88.9	89.3	89.7	89.8	90.2	90.8
GE 1000	41.6	45.4	59.0	63.5	72.2	79.8	84.0	87.1	88.4	90.1	90.5	91.0	91.4	91.5	91.9	92.5
GE 900	41.6	45.4	59.0	63.8	72.8	80.7	85.1	88.4	89.7	91.4	91.9	92.3	92.7	92.8	93.2	93.8
GE 800	41.6	45.5	59.3	64.1	73.4	81.3	86.0	89.2	90.5	92.3	93.2	94.0	94.4	94.5	95.0	95.6
GE 700	41.6	45.5	59.3	64.2	73.7	81.9	86.7	89.9	91.3	93.3	94.3	95.1	95.4	95.6	96.0	96.6
GE 600	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.3	91.6	93.9	94.9	95.7	96.0	96.2	96.6	97.2
GE 500	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.3	91.6	93.9	95.2	96.0	96.4	96.5	97.0	97.6
GE 400	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.5	91.9	94.1	95.6	96.4	96.9	97.0	97.5	98.2
GE 300	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.5	91.9	94.1	95.6	96.4	96.9	97.0	97.6	98.3
GE 200	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.5	91.9	94.1	95.6	96.5	97.1	97.2	98.3	99.6
GE 100	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.5	91.9	94.1	95.6	96.5	97.1	97.2	98.3	100.0
GE 000	41.6	45.5	59.3	64.2	73.7	82.0	86.9	90.5	91.9	94.1	95.6	96.5	97.1	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 835

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.8	16.9	20.9	24.5	27.3	27.9	28.4	28.9	29.1	29.4	29.6	29.6	29.7	29.7	29.7	29.7
GE 20000	20.3	21.8	27.2	30.8	33.8	34.6	35.2	35.8	36.0	36.3	36.4	36.4	36.5	36.5	36.5	36.5
GE 18000	20.9	22.5	28.0	31.6	34.7	35.4	36.1	36.6	36.9	37.2	37.3	37.3	37.4	37.4	37.4	37.4
GE 16000	20.9	22.5	28.0	31.6	34.7	35.4	36.1	36.6	36.9	37.2	37.3	37.3	37.4	37.4	37.4	37.4
GE 14000	21.3	22.8	28.5	32.1	35.1	35.9	36.5	37.1	37.3	37.6	37.7	37.7	37.8	37.8	37.8	37.8
GE 12000	21.6	23.2	29.1	32.7	35.8	36.5	37.2	37.7	37.9	38.3	38.4	38.4	38.5	38.5	38.5	38.5
GE 10000	23.1	24.8	30.6	34.8	37.8	38.8	39.5	40.1	40.5	40.8	40.9	40.9	41.0	41.0	41.0	41.0
GE 9000	23.1	24.8	31.2	35.6	38.8	39.9	40.7	41.3	41.7	42.0	42.1	42.1	42.2	42.2	42.2	42.2
GE 8000	27.8	29.7	36.8	41.4	44.7	45.9	46.8	47.4	47.9	48.3	48.4	48.4	48.5	48.5	48.5	48.5
GE 7000	29.2	31.2	38.8	43.5	46.8	48.0	49.2	50.1	50.5	50.9	51.0	51.0	51.1	51.1	51.1	51.1
GE 6000	29.6	31.5	39.1	43.9	47.2	48.6	49.8	50.7	51.1	51.6	51.7	51.7	51.8	51.8	51.8	51.8
GE 5000	30.5	32.7	40.3	45.1	48.4	49.8	51.0	51.9	52.3	52.8	52.9	52.9	53.0	53.0	53.0	53.0
GE 4500	31.5	33.8	41.5	46.6	50.4	51.8	53.0	53.9	54.3	54.7	54.9	54.9	55.0	55.0	55.0	55.0
GE 4000	34.4	36.8	45.4	51.4	55.3	56.7	57.9	58.9	59.3	59.8	59.9	59.9	60.0	60.0	60.0	60.0
GE 3500	38.2	40.9	50.2	56.5	61.2	62.7	64.0	65.0	65.4	65.9	66.0	66.0	66.1	66.1	66.1	66.1
GE 3000	46.7	50.1	60.1	67.2	72.1	73.9	75.6	76.6	77.0	77.4	77.5	77.5	77.6	77.6	77.6	77.6
GE 2500	48.1	51.8	62.1	69.7	75.0	76.9	78.5	79.5	79.9	80.5	80.6	80.6	80.7	80.7	80.7	80.7
GE 2000	51.6	55.3	66.7	75.2	81.4	83.6	85.5	86.8	87.4	87.9	88.0	88.0	88.1	88.1	88.2	88.2
GE 1800	52.0	55.7	67.3	75.8	82.3	84.8	86.7	88.0	88.5	89.1	89.2	89.2	89.3	89.3	89.4	89.4
GE 1500	53.0	56.8	68.7	77.5	84.4	87.2	89.1	90.8	91.5	92.1	92.4	92.4	92.5	92.5	92.6	92.6
GE 1200	53.5	57.4	69.4	78.4	86.2	89.3	91.2	92.9	94.0	94.7	94.9	94.9	95.0	95.0	95.1	95.1
GE 1000	53.7	57.6	69.8	78.8	87.1	90.3	92.1	94.0	95.3	96.1	96.4	96.4	96.5	96.5	96.6	96.6
GE 900	53.7	57.6	69.8	79.2	87.8	90.9	92.8	94.7	96.0	96.7	97.1	97.1	97.2	97.2	97.3	97.3
GE 800	53.7	57.6	69.8	79.2	87.8	91.1	93.1	95.0	96.3	97.2	97.5	97.5	97.6	97.6	97.7	97.7
GE 700	53.7	57.6	69.8	79.2	87.8	91.2	93.2	95.4	96.8	97.9	98.4	98.4	98.5	98.5	98.6	98.6
GE 600	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.2	98.4	98.9	98.9	99.0	99.0	99.1	99.1
GE 500	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.3	99.5	99.5	99.6	99.6
GE 400	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.3	99.5	99.5	99.6	99.6
GE 300	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.3	99.5	99.5	99.6	99.7
GE 200	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.5	99.6	99.6	99.8	99.9
GE 100	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.5	99.6	99.6	99.9	100.0
GE 000	53.7	57.6	69.8	79.2	87.8	91.5	93.6	95.7	97.3	98.6	99.2	99.5	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 917



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.4	24.5	31.5	35.0	36.0	36.7	37.1	37.5	37.9	37.9	38.0	38.2	38.2	38.2	38.2	38.2
GE 20000	28.4	30.8	38.8	42.4	43.4	44.2	44.5	45.1	45.4	45.4	45.5	45.8	45.8	45.8	45.8	45.8
GE 18000	29.3	31.8	39.9	43.5	44.5	45.3	45.8	46.3	46.7	46.7	46.8	47.0	47.0	47.0	47.0	47.0
GE 16000	29.3	31.8	39.9	43.5	44.5	45.3	45.8	46.3	46.7	46.7	46.8	47.0	47.0	47.0	47.0	47.0
GE 14000	29.4	32.0	40.0	43.7	44.7	45.4	45.9	46.4	46.8	46.8	46.9	47.1	47.1	47.1	47.1	47.1
GE 12000	30.0	32.5	40.6	44.3	45.3	46.1	46.5	47.1	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8
GE 10000	32.5	35.1	43.9	47.7	48.7	49.4	49.9	50.4	50.8	50.9	51.0	51.2	51.2	51.2	51.2	51.2
GE 9000	33.5	36.3	45.2	49.1	50.1	50.9	51.3	51.9	52.2	52.3	52.4	52.7	52.7	52.7	52.7	52.7
GE 8000	38.5	42.1	51.6	55.9	56.9	57.9	58.4	58.9	59.2	59.6	59.7	59.9	59.9	59.9	59.9	59.9
GE 7000	40.3	44.1	54.0	58.4	59.4	60.6	61.2	61.8	62.1	62.5	62.7	62.8	62.8	62.8	62.8	62.8
GE 6000	40.5	44.3	54.6	58.9	59.9	61.1	61.8	62.4	62.7	63.0	63.1	63.4	63.4	63.4	63.4	63.4
GE 5000	41.6	45.5	55.8	60.4	61.4	62.7	63.4	63.9	64.3	64.6	64.7	64.9	64.9	64.9	64.9	64.9
GE 4500	42.4	46.3	57.0	61.8	62.8	64.1	64.8	65.4	65.7	66.0	66.1	66.4	66.4	66.4	66.4	66.4
GE 4000	45.2	49.6	60.6	65.6	66.6	67.9	68.6	69.2	69.5	69.9	70.0	70.3	70.3	70.3	70.3	70.3
GE 3500	47.3	52.1	63.6	69.0	70.6	72.0	72.7	73.3	73.6	74.1	74.2	74.4	74.4	74.4	74.4	74.4
GE 3000	53.1	58.1	70.0	76.1	77.8	79.7	80.4	81.1	81.5	82.0	82.1	82.3	82.3	82.3	82.3	82.3
GE 2500	53.6	58.6	71.2	78.0	80.0	81.8	82.5	83.4	83.9	84.3	84.4	84.6	84.6	84.6	84.6	84.6
GE 2000	56.8	61.9	75.1	81.8	84.9	87.0	87.6	88.6	89.4	90.0	90.1	90.3	90.3	90.3	90.3	90.3
GE 1800	57.1	62.4	75.8	82.9	86.1	88.2	88.9	89.9	90.8	91.3	91.4	91.6	91.6	91.6	91.6	91.6
GE 1500	58.0	63.5	77.3	84.4	88.9	91.1	91.9	93.4	94.3	94.9	95.0	95.2	95.2	95.2	95.2	95.2
GE 1200	58.5	63.9	78.1	85.4	90.4	93.0	93.8	95.5	96.8	97.3	97.4	97.8	97.8	97.8	97.8	97.8
GE 1000	58.7	64.1	78.6	86.0	91.0	93.5	94.4	96.4	97.8	98.4	98.6	98.9	98.9	98.9	98.9	98.9
GE 900	58.7	64.1	78.6	86.1	91.1	93.7	94.5	96.5	97.9	98.6	98.8	99.1	99.1	99.1	99.1	99.1
GE 800	58.7	64.1	78.6	86.1	91.1	93.8	94.8	96.8	98.1	98.8	99.0	99.3	99.3	99.3	99.3	99.3
GE 700	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7
GE 600	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.0	98.4	99.2	99.4	99.8	99.8	99.8	99.8	99.8
GE 500	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0
GE 400	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0
GE 300	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0
GE 200	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0
GE 000	58.7	64.1	78.6	86.1	91.1	93.9	95.0	97.2	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL

PERIOD OF RECORD: SEP 76 - AUG 91

LST TO UTC: - 1

MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.0	17.4	22.8	25.4	27.8	29.0	29.8	30.2	30.5	30.8	30.9	31.1	31.2	31.3	31.3	31.7
GE 20000	20.5	22.2	28.6	31.5	34.0	35.4	36.3	36.8	37.1	37.4	37.5	37.8	37.9	37.9	38.0	38.3
GE 18000	21.4	23.2	29.8	32.7	35.2	36.6	37.5	38.1	38.3	38.6	38.7	39.0	39.1	39.1	39.2	39.5
GE 16000	21.4	23.2	29.8	32.7	35.2	36.6	37.5	38.1	38.3	38.6	38.7	39.0	39.1	39.1	39.2	39.5
GE 14000	21.5	23.3	29.9	32.8	35.4	36.8	37.7	38.2	38.5	38.8	38.9	39.1	39.3	39.3	39.4	39.7
GE 12000	22.0	23.9	30.7	33.7	36.3	37.7	38.6	39.1	39.4	39.7	39.8	40.0	40.1	40.2	40.2	40.6
GE 10000	23.7	25.6	32.8	35.9	38.6	40.1	41.1	41.7	42.1	42.4	42.5	42.7	42.9	42.9	43.0	43.3
GE 9000	24.2	26.2	33.8	37.0	39.8	41.3	42.4	43.1	43.5	43.9	44.0	44.3	44.4	44.4	44.5	44.8
GE 8000	27.9	30.4	38.5	42.0	45.1	46.7	47.8	48.6	49.1	49.6	49.7	50.0	50.1	50.2	50.3	50.7
GE 7000	29.5	32.0	40.5	44.1	47.5	49.2	50.5	51.4	51.8	52.3	52.5	52.7	52.9	52.9	53.0	53.4
GE 6000	29.7	32.2	40.9	44.5	47.8	49.7	51.0	51.9	52.3	52.9	53.0	53.3	53.4	53.4	53.5	54.0
GE 5000	31.2	33.9	42.6	46.3	49.7	51.6	52.9	53.8	54.3	54.8	55.0	55.2	55.3	55.4	55.5	55.9
GE 4500	32.3	35.1	44.0	47.8	51.4	53.3	54.7	55.7	56.2	56.7	56.9	57.2	57.3	57.3	57.4	57.9
GE 4000	34.6	37.7	47.2	51.6	55.5	57.7	59.1	60.2	60.7	61.4	61.6	61.8	61.9	62.0	62.1	62.5
GE 3500	37.5	40.8	50.8	55.4	59.9	62.2	63.7	64.8	65.3	66.1	66.3	66.5	66.6	66.7	66.8	67.2
GE 3000	42.7	46.3	56.8	62.0	67.1	69.8	71.6	73.0	73.6	74.5	74.7	75.0	75.1	75.1	75.2	75.7
GE 2500	43.7	47.6	58.6	64.2	69.6	72.4	74.3	75.8	76.4	77.4	77.6	77.8	78.0	78.0	78.1	78.5
GE 2000	46.4	50.3	62.3	68.2	74.3	77.5	79.8	81.5	82.4	83.4	83.6	83.9	84.0	84.1	84.2	84.7
GE 1800	46.7	50.7	62.9	68.9	75.3	78.7	81.1	82.8	83.9	84.9	85.1	85.4	85.5	85.6	85.7	86.1
GE 1500	47.7	52.0	64.5	70.8	77.9	81.5	84.1	86.5	87.6	88.7	89.1	89.4	89.6	89.7	89.9	90.3
GE 1200	48.5	52.7	65.8	72.3	79.8	83.7	86.4	89.0	90.5	91.7	92.0	92.4	92.6	92.7	92.9	93.4
GE 1000	48.6	52.9	66.2	72.8	80.6	84.7	87.6	90.3	91.9	93.2	93.6	94.0	94.3	94.3	94.6	95.0
GE 900	48.6	52.9	66.2	73.0	81.0	85.3	88.2	90.9	92.6	93.9	94.3	94.7	95.0	95.1	95.3	95.8
GE 800	48.6	53.0	66.3	73.1	81.3	85.6	88.7	91.4	93.0	94.4	95.0	95.5	95.8	95.9	96.2	96.7
GE 700	48.6	53.0	66.3	73.1	81.4	85.8	89.1	91.9	93.6	95.1	95.8	96.3	96.6	96.7	96.9	97.5
GE 600	48.6	53.0	66.3	73.1	81.4	86.0	89.3	92.2	93.9	95.6	96.2	96.8	97.1	97.2	97.4	97.9
GE 500	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.4	94.2	95.9	96.7	97.3	97.6	97.7	98.0	98.5
GE 400	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.5	94.3	96.0	96.9	97.5	97.9	97.9	98.2	98.8
GE 300	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.6	94.3	96.0	96.9	97.6	97.9	98.0	98.3	99.0
GE 200	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.6	94.3	96.0	96.9	97.6	98.0	98.1	98.6	99.5
GE 100	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.6	94.3	96.0	96.9	97.6	98.0	98.1	98.6	99.9
GE 000	48.6	53.0	66.3	73.1	81.4	86.1	89.4	92.6	94.3	96.0	96.9	97.6	98.0	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3303

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.0	15.6	22.1	26.5	32.6	33.4	34.8	35.6	35.8	36.1	36.1	36.3	36.3	36.6	36.6	37.1
GE 20000	16.6	18.5	26.1	30.6	37.9	39.3	41.1	41.9	42.3	42.6	42.6	42.8	42.8	43.1	43.1	43.6
GE 18000	16.8	18.6	26.3	30.8	38.1	39.4	41.3	42.1	42.4	42.8	42.8	42.9	42.9	43.3	43.3	43.8
GE 16000	16.8	18.6	26.3	30.8	38.1	39.4	41.3	42.1	42.4	42.8	42.8	42.9	42.9	43.3	43.3	43.8
GE 14000	17.6	19.5	27.1	31.6	38.9	40.3	42.1	42.9	43.3	43.6	43.6	43.8	43.8	44.1	44.1	44.6
GE 12000	18.3	20.1	28.3	32.8	40.3	41.6	43.4	44.3	44.6	44.9	44.9	45.1	45.1	45.4	45.4	45.9
GE 10000	19.8	21.6	30.4	35.3	43.3	45.1	46.9	47.8	48.1	48.4	48.4	48.6	48.6	48.9	48.9	49.4
GE 9000	20.3	22.1	31.4	36.4	44.8	46.6	48.4	49.3	49.6	49.9	49.9	50.1	50.1	50.4	50.4	50.9
GE 8000	23.5	25.3	35.3	40.6	49.6	51.7	53.9	54.7	55.1	55.4	55.6	55.7	55.7	56.1	56.1	56.6
GE 7000	24.0	26.0	36.8	42.3	51.9	54.1	56.4	57.6	57.9	58.2	58.6	58.7	58.7	59.1	59.1	59.6
GE 6000	24.1	26.1	37.1	42.6	52.2	54.4	56.7	57.9	58.2	58.6	58.9	59.1	59.1	59.4	59.4	59.9
GE 5000	25.1	27.1	39.4	45.1	55.4	57.6	59.9	61.2	61.6	61.9	62.2	62.4	62.4	62.7	62.7	63.4
GE 4500	26.0	28.3	41.4	47.4	57.9	60.1	62.7	64.2	64.6	65.2	65.7	65.9	65.9	66.2	66.2	66.9
GE 4000	28.0	30.8	44.8	50.9	62.1	64.7	67.6	69.1	69.4	70.2	70.9	71.0	71.0	71.4	71.4	72.0
GE 3500	28.5	31.3	45.6	52.2	63.7	66.4	69.2	70.7	71.0	71.9	72.5	72.7	72.7	73.0	73.0	73.7
GE 3000	29.3	32.1	46.6	53.6	65.2	67.9	70.9	72.7	73.4	74.4	75.5	75.7	75.7	76.0	76.0	77.0
GE 2500	30.1	32.9	47.9	54.9	66.7	69.4	72.4	74.4	75.0	76.0	77.2	77.4	77.4	77.7	77.7	78.7
GE 2000	30.3	33.1	48.3	55.2	67.6	70.5	74.4	76.7	77.4	78.4	79.5	79.7	79.7	80.0	80.0	81.0
GE 1800	30.4	33.3	48.6	55.6	68.1	71.0	75.0	77.4	78.0	79.0	80.2	80.4	80.4	80.7	80.7	81.7
GE 1500	30.8	33.6	49.3	56.4	69.7	73.2	77.4	79.9	81.0	82.5	83.7	83.9	83.9	84.2	84.2	85.2
GE 1200	30.9	33.9	50.7	58.4	72.2	76.0	80.2	82.7	83.9	85.4	86.5	86.7	86.7	87.0	87.0	88.0
GE 1000	30.9	33.9	51.6	59.6	73.7	77.7	83.0	85.7	87.0	88.5	89.7	89.9	89.9	90.2	90.2	91.2
GE 900	30.9	33.9	51.6	59.6	74.0	78.7	84.7	87.5	89.0	90.5	91.7	91.8	91.8	92.2	92.2	93.2
GE 800	30.9	33.9	51.7	59.7	74.5	79.5	85.7	89.0	90.7	92.2	93.3	93.5	93.5	93.8	93.8	94.8
GE 700	30.9	33.9	51.7	59.7	74.9	79.9	86.0	89.9	91.7	93.3	94.5	94.7	94.7	95.0	95.0	96.0
GE 600	30.9	33.9	51.7	59.7	75.0	80.0	86.4	90.3	92.2	93.8	95.0	95.2	95.2	95.5	95.5	96.5
GE 500	30.9	33.9	51.7	59.7	75.0	80.0	86.4	90.8	92.7	94.5	95.8	96.2	96.2	96.5	96.5	97.5
GE 400	31.1	34.1	51.9	59.9	75.2	80.2	86.5	91.2	93.0	94.8	96.3	96.7	96.7	97.0	97.0	98.0
GE 300	31.1	34.1	51.9	59.9	75.2	80.2	86.5	91.2	93.0	95.0	96.7	97.3	97.3	97.8	97.8	99.0
GE 200	31.1	34.1	51.9	59.9	75.2	80.2	86.5	91.2	93.0	95.0	96.7	97.3	97.3	97.8	97.8	99.5
GE 100	31.1	34.1	51.9	59.9	75.2	80.2	86.5	91.2	93.0	95.0	96.7	97.3	97.3	97.8	97.8	99.8
GE 000	31.1	34.1	51.9	59.9	75.2	80.2	86.5	91.2	93.0	95.0	96.7	97.3	97.3	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.7	23.4	30.7	34.8	38.0	39.1	39.8	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2
GE 20000	23.8	25.9	34.9	39.7	43.2	44.3	45.2	45.3	45.4	45.4	45.4	45.4	45.5	45.5	45.6	45.6
GE 18000	24.5	26.6	35.5	40.4	43.9	44.9	45.8	46.0	46.1	46.1	46.1	46.1	46.2	46.4	46.4	46.4
GE 16000	24.5	26.6	35.5	40.4	43.9	44.9	45.8	46.0	46.1	46.1	46.1	46.1	46.2	46.4	46.4	46.4
GE 14000	25.0	27.1	36.1	40.9	44.5	45.6	46.5	46.6	46.7	46.7	46.7	46.7	46.9	47.0	47.0	47.0
GE 12000	26.2	28.3	37.2	42.1	45.7	46.7	47.7	47.8	47.9	47.9	47.9	47.9	48.0	48.2	48.2	48.2
GE 10000	28.0	30.1	39.5	44.3	47.9	49.3	50.3	50.4	50.5	50.5	50.5	50.5	50.7	50.8	50.8	50.8
GE 9000	28.5	31.0	41.0	45.8	49.6	51.0	52.0	52.1	52.2	52.2	52.2	52.2	52.5	52.6	52.6	52.6
GE 8000	31.9	34.6	46.4	51.7	56.0	57.4	58.3	58.5	58.6	58.6	58.6	58.6	58.9	59.0	59.0	59.0
GE 7000	32.3	35.2	47.1	52.7	57.2	58.9	59.9	60.0	60.2	60.2	60.2	60.2	60.4	60.5	60.5	60.5
GE 6000	32.9	35.8	47.9	53.6	58.1	59.8	60.8	60.9	61.1	61.1	61.1	61.1	61.3	61.5	61.5	61.5
GE 5000	33.7	36.6	49.2	54.9	59.5	61.5	62.8	62.9	63.0	63.0	63.0	63.0	63.3	63.4	63.4	63.4
GE 4500	35.2	38.2	51.4	57.3	62.1	64.1	65.5	65.8	65.9	65.9	65.9	65.9	66.1	66.3	66.3	66.3
GE 4000	36.1	39.1	54.0	60.3	65.2	67.4	69.0	69.4	69.8	69.8	69.8	69.8	70.1	70.2	70.2	70.2
GE 3500	37.4	40.5	56.0	62.4	67.6	69.9	71.7	72.3	72.7	72.7	72.7	72.7	72.9	73.0	73.0	73.0
GE 3000	41.0	44.5	60.5	67.1	72.3	74.7	76.6	77.3	77.9	78.1	78.1	78.1	78.4	78.5	78.5	78.6
GE 2500	41.9	45.4	62.4	69.1	74.7	77.3	79.3	80.1	80.7	81.0	81.0	81.0	81.3	81.4	81.4	81.5
GE 2000	42.8	46.4	63.8	70.8	76.7	79.4	81.4	82.3	82.9	83.2	83.5	83.5	83.7	83.9	83.9	84.0
GE 1800	43.1	46.6	64.5	71.7	77.7	80.5	82.4	83.3	84.0	84.2	84.5	84.5	84.8	84.9	84.9	85.0
GE 1500	43.6	47.1	66.5	74.3	81.3	84.2	86.2	87.4	88.0	88.3	88.5	88.5	88.8	88.9	88.9	89.1
GE 1200	44.0	47.7	68.1	76.2	83.6	87.2	89.2	90.4	91.0	91.3	91.5	91.5	91.8	91.9	91.9	92.1
GE 1000	44.4	48.0	69.5	77.9	86.2	90.1	92.3	93.9	94.5	94.8	95.1	95.1	95.3	95.4	95.4	95.6
GE 900	44.4	48.0	69.7	78.1	86.5	90.5	93.1	94.7	95.4	95.7	96.0	96.0	96.2	96.4	96.4	96.5
GE 800	44.5	48.2	70.1	78.5	86.8	91.0	93.8	95.4	96.2	96.5	96.7	96.7	97.0	97.1	97.1	97.3
GE 700	44.5	48.2	70.1	78.5	87.0	91.1	94.0	96.0	96.9	97.3	97.5	97.5	97.8	97.9	97.9	98.0
GE 600	44.5	48.2	70.1	78.5	87.1	91.3	94.4	96.4	97.3	97.7	98.3	98.4	98.7	98.8	98.8	99.0
GE 500	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.7	97.7	98.2	99.0	99.1	99.3	99.5	99.5	99.6
GE 400	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.9	97.8	98.3	99.1	99.2	99.5	99.7	99.7	99.9
GE 300	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.9	97.8	98.3	99.1	99.2	99.5	99.9	99.9	100.0
GE 200	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.9	97.8	98.3	99.1	99.2	99.5	99.9	99.9	100.0
GE 100	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.9	97.8	98.3	99.1	99.2	99.5	99.9	99.9	100.0
GE 000	44.5	48.2	70.1	78.5	87.1	91.4	94.7	96.9	97.8	98.3	99.1	99.2	99.5	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.5	29.3	34.9	36.3	36.7	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 20000	32.2	34.5	40.6	42.0	42.5	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 18000	32.8	35.1	41.2	42.6	43.1	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	32.8	35.1	41.2	42.6	43.1	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	33.1	35.4	41.5	43.0	43.5	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 12000	33.9	36.1	42.5	43.9	44.4	45.1	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 10000	36.1	38.7	45.4	46.9	47.4	48.1	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 9000	36.6	39.1	46.1	47.7	48.1	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 8000	42.0	44.8	52.6	54.5	55.1	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 7000	42.4	45.1	52.9	55.0	55.6	56.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 6000	43.1	45.9	53.7	55.7	56.3	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 5000	45.4	48.1	56.4	58.5	59.1	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	46.7	49.6	58.7	60.7	61.3	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 4000	49.9	52.9	63.4	66.3	66.9	67.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3500	53.4	56.7	67.5	70.5	71.2	72.0	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	59.9	64.1	76.5	79.5	80.6	81.6	82.5	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2500	61.7	66.1	79.4	82.4	83.6	84.6	85.5	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	63.1	67.6	81.9	85.1	86.7	88.1	89.2	89.6	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2
GE 1800	63.9	68.3	83.2	86.4	88.0	89.4	90.5	90.9	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5
GE 1500	64.3	68.8	84.5	88.4	90.2	91.6	92.7	93.0	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
GE 1200	64.6	69.0	86.7	90.8	92.6	94.7	95.9	96.3	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
GE 1000	64.6	69.0	87.2	91.2	93.0	95.3	96.5	97.2	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 900	64.7	69.1	87.3	91.5	93.4	95.7	96.9	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2
GE 800	64.8	69.3	87.4	91.6	93.9	96.2	97.4	98.1	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
GE 700	64.8	69.3	87.5	91.7	94.0	96.5	98.0	98.7	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5
GE 600	64.8	69.3	87.5	91.7	94.0	96.5	98.0	98.7	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8
GE 500	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9
GE 400	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0
GE 300	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0
GE 200	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0
GE 100	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0
GE 000	64.8	69.3	87.5	91.7	94.0	96.6	98.1	98.8	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

REPORTING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESTHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 70 - AUG 91  
MONTH: APR HOURS: 15-17

CEILING (FEET)	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
CEIL	31.0	33.3	35.5	35.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
20000	37.8	40.3	42.6	43.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
18000	39.0	41.6	43.9	45.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
16000	39.0	41.6	43.9	45.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
14000	39.4	42.0	44.3	45.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
12000	40.1	42.9	45.2	46.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
10000	42.7	45.5	48.0	49.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
9000	43.6	46.5	49.3	50.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
8000	49.7	53.3	56.7	58.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
7000	50.6	54.2	57.6	59.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
6000	51.0	54.7	58.0	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
5000	54.4	58.0	61.8	63.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
4500	56.1	59.7	64.2	66.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
4000	60.3	64.2	69.3	71.5	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
3500	63.7	67.6	73.1	75.3	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3000	69.0	73.5	80.4	82.7	85.0	85.0	85.2	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2500	71.1	75.6	82.7	85.3	87.8	87.9	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2000	72.2	76.7	84.3	87.6	90.3	90.8	91.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1800	72.4	76.9	84.6	88.2	90.8	91.4	91.9	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500	72.8	77.3	85.9	89.8	92.4	93.2	93.8	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
1200	73.0	77.6	87.2	91.3	93.9	94.6	95.2	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1000	73.0	77.8	88.1	92.2	94.8	95.9	96.8	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
900	73.0	77.8	88.1	92.2	94.8	96.4	97.2	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	73.0	77.8	88.1	92.2	94.9	96.5	97.7	98.1	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0
700	73.0	77.8	88.2	92.3	95.3	96.9	98.1	98.5	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6
600	73.0	77.8	88.2	92.3	95.3	96.9	98.1	98.5	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6
500	73.0	77.8	88.2	92.3	95.3	96.9	98.1	98.5	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6
400	73.0	77.8	88.2	92.3	95.3	96.9	98.1	98.5	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6
300	73.0	77.8	88.2	92.3	95.5	97.1	98.3	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7
200	73.0	77.8	88.2	92.3	95.5	97.1	98.3	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7
100	73.0	77.8	88.2	92.3	95.5	97.1	98.3	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7
000	73.3	78.1	88.5	92.6	95.8	97.4	98.5	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 688

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.0	25.8	31.3	33.7	36.3	37.0	37.5	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.0	38.1
GE 20000	28.1	30.2	36.5	39.4	42.3	43.0	43.7	44.0	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.4
GE 18000	28.7	30.9	37.2	40.1	43.0	43.8	44.5	44.7	44.8	44.9	44.9	44.9	44.9	45.1	45.1	45.2
GE 16000	28.7	30.9	37.2	40.1	43.0	43.8	44.5	44.7	44.8	44.9	44.9	44.9	44.9	45.1	45.1	45.2
GE 14000	29.2	31.5	37.8	40.7	43.6	44.3	45.0	45.3	45.4	45.4	45.4	45.5	45.5	45.6	45.6	45.7
GE 12000	30.1	32.3	38.8	41.7	44.6	45.4	46.1	46.3	46.4	46.5	46.5	46.5	46.6	46.7	46.7	46.8
GE 10000	32.1	34.5	41.3	44.4	47.4	48.4	49.1	49.3	49.4	49.5	49.5	49.5	49.6	49.7	49.7	49.8
GE 9000	32.7	35.2	42.5	45.5	48.7	49.7	50.3	50.6	50.7	50.8	50.8	50.8	50.9	51.0	51.0	51.1
GE 8000	37.3	40.1	48.3	51.8	55.4	56.4	57.2	57.4	57.5	57.6	57.6	57.6	57.7	57.8	57.8	57.9
GE 7000	37.8	40.7	49.1	52.8	56.6	57.7	58.5	58.8	58.9	59.0	59.1	59.1	59.2	59.3	59.3	59.4
GE 6000	38.3	41.2	49.7	53.5	57.2	58.3	59.1	59.4	59.6	59.6	59.7	59.7	59.8	59.9	59.9	60.0
GE 5000	40.2	43.0	52.2	56.0	59.9	61.1	62.0	62.4	62.5	62.5	62.6	62.6	62.7	62.8	62.8	62.9
GE 4500	41.6	44.5	54.5	58.4	62.4	63.6	64.6	65.0	65.1	65.3	65.4	65.4	65.5	65.6	65.6	65.7
GE 4000	44.2	47.3	58.4	62.7	67.0	68.3	69.5	69.9	70.1	70.3	70.4	70.4	70.5	70.6	70.6	70.8
GE 3500	46.4	49.7	61.2	65.7	70.1	71.5	72.9	73.4	73.6	73.7	73.9	73.9	74.0	74.1	74.1	74.2
GE 3000	50.7	54.5	67.0	71.6	76.2	77.8	79.1	79.9	80.3	80.6	80.8	80.9	80.9	81.0	81.0	81.3
GE 2500	52.1	56.0	69.1	73.8	78.7	80.3	81.7	82.5	82.9	83.3	83.5	83.5	83.6	83.7	83.7	83.9
GE 2000	53.1	57.0	70.7	75.7	80.9	82.8	84.5	85.4	85.9	86.2	86.5	86.6	86.6	86.7	86.7	87.0
GE 1800	53.4	57.3	71.3	76.5	81.8	83.7	85.5	86.3	86.8	87.1	87.4	87.5	87.6	87.7	87.7	87.9
GE 1500	53.9	57.8	72.7	78.3	84.1	86.2	88.0	89.0	89.6	90.0	90.3	90.4	90.5	90.6	90.6	90.8
GE 1200	54.1	58.1	74.4	80.3	86.3	88.8	90.7	91.7	92.3	92.7	93.0	93.1	93.1	93.3	93.3	93.5
GE 1000	54.2	58.2	75.3	81.3	87.6	90.4	92.7	93.9	94.6	95.0	95.3	95.4	95.5	95.6	95.6	95.8
GE 900	54.3	58.3	75.4	81.5	87.9	90.9	93.4	94.7	95.4	95.9	96.2	96.3	96.3	96.4	96.4	96.7
GE 800	54.3	58.3	75.5	81.6	88.2	91.4	94.0	95.5	96.3	96.7	97.1	97.2	97.3	97.4	97.4	97.6
GE 700	54.3	58.3	75.6	81.7	88.5	91.7	94.5	96.1	96.9	97.5	97.8	98.0	98.1	98.2	98.2	98.4
GE 600	54.3	58.3	75.6	81.7	88.5	91.8	94.6	96.3	97.2	97.8	98.2	98.4	98.5	98.6	98.6	98.8
GE 500	54.3	58.3	75.6	81.7	88.5	91.9	94.7	96.5	97.4	98.1	98.6	98.8	98.9	99.0	99.0	99.2
GE 400	54.4	58.4	75.6	81.7	88.6	91.9	94.8	96.6	97.5	98.2	98.7	98.9	99.1	99.2	99.2	99.4
GE 300	54.4	58.4	75.6	81.7	88.6	91.9	94.8	96.7	97.5	98.2	98.8	99.1	99.2	99.4	99.4	99.7
GE 200	54.4	58.4	75.6	81.7	88.6	91.9	94.8	96.7	97.5	98.2	98.8	99.1	99.2	99.4	99.4	99.8
GE 100	54.4	58.4	75.6	81.7	88.6	91.9	94.8	96.7	97.5	98.2	98.8	99.1	99.2	99.4	99.4	99.9
GE 000	54.4	58.4	75.7	81.8	88.7	92.0	94.9	96.7	97.6	98.3	98.9	99.2	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.8	26.1	34.3	37.5	40.9	42.5	42.8	43.9	44.3	44.3	44.5	44.6	44.6	44.6	44.9	44.9
GE 20000	27.9	28.2	38.0	41.5	45.5	47.4	47.7	48.7	49.2	49.2	49.3	49.5	49.5	49.5	49.8	49.8
GE 18000	28.4	28.7	38.6	42.1	46.2	48.2	48.4	49.5	49.9	49.9	50.1	50.2	50.2	50.2	50.5	50.5
GE 16000	28.7	29.1	39.0	42.5	46.7	48.6	48.9	49.9	50.4	50.4	50.5	50.7	50.7	50.7	51.0	51.0
GE 14000	28.8	29.2	39.3	42.8	47.0	48.9	49.2	50.2	50.7	50.7	50.8	51.0	51.0	51.0	51.3	51.3
GE 12000	29.8	30.3	40.8	44.3	48.6	50.5	51.0	52.0	52.4	52.4	52.6	52.7	52.7	52.7	53.0	53.0
GE 10000	32.8	33.5	45.5	49.2	54.4	56.3	56.7	57.8	58.2	58.2	58.3	58.5	58.5	58.6	58.9	58.9
GE 9000	33.4	34.3	47.1	51.1	56.9	58.9	59.4	60.4	60.9	60.9	61.0	61.2	61.2	61.3	61.6	61.6
GE 8000	36.6	37.5	51.4	56.0	62.3	64.5	65.1	66.2	66.6	66.8	67.1	67.2	67.2	67.4	67.7	67.7
GE 7000	38.1	39.1	53.0	57.6	64.0	66.2	66.8	67.8	68.2	68.4	68.7	68.8	68.8	68.8	69.0	69.3
GE 6000	38.1	39.3	53.2	57.8	64.1	66.3	66.9	67.9	68.4	68.5	68.8	69.0	69.0	69.1	69.4	69.4
GE 5000	40.3	41.8	56.0	60.9	67.2	69.4	70.0	71.0	71.5	71.6	71.9	72.1	72.1	72.2	72.5	72.5
GE 4500	40.6	42.1	57.2	62.0	68.4	70.8	71.3	72.4	72.8	73.0	73.3	73.4	73.4	73.6	73.9	73.9
GE 4000	42.4	43.9	60.1	65.1	72.2	74.7	75.6	76.7	77.3	77.4	77.7	77.8	77.8	78.0	78.3	78.3
GE 3500	43.4	44.9	61.3	66.5	74.0	76.5	77.4	78.6	79.2	79.3	79.6	79.8	79.8	79.9	80.2	80.2
GE 3000	44.5	46.1	63.2	69.6	77.8	80.4	81.4	82.9	83.5	83.6	83.9	84.0	84.0	84.2	84.5	84.5
GE 2500	44.9	46.5	64.0	70.5	79.5	82.3	83.3	84.8	85.4	85.5	85.8	86.0	86.0	86.1	86.4	86.4
GE 2000	45.3	47.0	64.8	71.6	80.8	83.6	84.9	86.4	87.0	87.1	87.4	87.6	87.6	87.7	88.0	88.0
GE 1800	45.6	47.3	65.3	72.1	81.5	84.3	85.7	87.1	87.7	87.9	88.2	88.3	88.3	88.5	88.8	88.8
GE 1500	46.4	48.0	66.3	73.3	83.3	86.3	88.2	90.0	90.5	90.8	91.1	91.3	91.3	91.4	91.7	91.7
GE 1200	46.5	48.2	66.9	74.0	84.5	87.6	89.7	91.7	92.5	92.8	93.1	93.2	93.2	93.4	93.6	93.6
GE 1000	46.7	48.3	67.1	74.2	84.8	87.9	90.5	92.8	93.6	93.9	94.2	94.4	94.4	94.5	94.8	94.8
GE 900	46.7	48.4	67.2	74.3	85.4	88.5	91.4	93.6	94.5	94.8	95.1	95.3	95.3	95.4	95.7	95.7
GE 800	46.7	48.4	67.5	74.7	86.1	89.4	92.3	94.5	95.7	96.0	96.3	96.5	96.5	96.6	96.9	96.9
GE 700	46.7	48.4	67.5	74.7	86.4	90.1	93.1	95.4	96.6	96.9	97.2	97.5	97.5	97.6	97.9	97.9
GE 600	46.7	48.4	67.5	74.7	86.4	90.1	93.1	95.4	96.9	97.2	97.5	97.8	97.9	98.1	98.4	98.4
GE 500	46.7	48.4	67.5	74.7	86.4	90.1	93.2	95.9	97.5	97.9	98.2	98.5	98.7	98.8	99.1	99.1
GE 400	46.7	48.4	67.5	74.7	86.4	90.1	93.2	96.0	97.8	98.2	98.7	99.0	99.1	99.3	99.7	99.7
GE 300	46.7	48.4	67.5	74.7	86.4	90.1	93.2	96.0	97.8	98.2	98.7	99.1	99.3	99.4	99.9	99.9
GE 200	46.7	48.4	67.5	74.7	86.4	90.1	93.2	96.0	97.8	98.2	98.7	99.1	99.3	99.4	99.9	100.0
GE 100	46.7	48.4	67.5	74.7	86.4	90.1	93.2	96.0	97.8	98.2	98.7	99.1	99.3	99.4	99.9	100.0
GE 000	46.7	48.4	67.5	74.7	86.4	90.1	93.2	96.0	97.8	98.2	98.7	99.1	99.3	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 677



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.4	34.6	38.4	40.0	40.9	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5
GE 20000	36.6	38.6	43.5	45.4	46.4	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 18000	37.6	39.6	44.5	46.5	47.6	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 16000	37.8	39.8	44.7	46.7	47.7	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.6	48.6	48.6
GE 14000	37.9	39.9	44.8	46.9	47.9	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8
GE 12000	38.4	40.4	45.4	47.9	49.3	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2
GE 10000	41.2	43.3	49.3	51.8	53.2	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 9000	42.4	44.5	50.7	53.3	54.7	55.0	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
GE 8000	46.3	48.4	54.8	58.1	59.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6
GE 7000	47.2	49.4	56.7	60.0	61.7	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
GE 6000	47.8	50.1	57.5	60.7	62.5	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5
GE 5000	49.4	51.8	60.1	63.6	65.6	66.1	66.6	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0
GE 4500	50.6	53.1	61.5	65.0	67.0	67.5	68.0	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4
GE 4000	53.7	56.5	65.9	69.5	71.8	72.3	72.8	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 3500	55.2	58.0	68.3	72.5	75.0	75.5	76.2	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5
GE 3000	59.6	62.5	73.3	77.9	80.9	81.4	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
GE 2500	62.2	65.1	76.2	81.2	84.4	85.2	85.9	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 2000	63.7	66.6	77.8	83.1	86.7	87.5	88.3	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 1800	64.4	67.3	78.4	83.8	87.6	88.3	89.2	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 1500	66.2	69.1	80.6	86.1	90.5	91.3	92.3	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 1200	66.9	69.8	81.8	87.8	92.5	93.5	94.5	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 1000	67.0	69.9	82.1	88.2	93.5	94.7	95.7	96.1	96.1	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE 900	67.0	69.9	82.2	88.3	93.7	95.1	96.1	96.7	96.7	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 800	67.0	70.0	82.3	88.6	94.7	96.1	97.1	97.7	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 700	67.0	70.0	82.3	88.6	94.9	96.4	97.5	98.1	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 600	67.0	70.0	82.3	88.6	94.9	96.4	97.7	98.4	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 500	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	67.0	70.0	82.3	88.6	95.1	96.7	98.1	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 797

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.0	38.9	39.9	40.6	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 20000	43.6	45.3	46.6	47.2	47.3	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 18000	44.6	46.3	47.6	48.2	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	44.6	46.3	47.6	48.2	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	44.6	46.3	47.9	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 12000	45.3	47.1	48.8	49.4	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	47.4	49.3	51.2	51.8	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000	49.2	51.2	53.1	53.7	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 8000	52.8	54.9	56.9	57.7	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 7000	54.9	57.1	59.3	60.1	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 6000	55.3	57.7	60.1	60.8	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	58.4	61.1	63.6	64.3	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4500	60.1	62.7	65.3	66.1	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	64.0	66.6	70.3	71.2	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 3500	66.3	69.3	73.8	75.1	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	72.1	75.1	80.2	81.7	82.7	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2500	73.6	76.7	83.6	85.2	86.2	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2000	75.2	78.3	86.2	88.2	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1800	75.8	79.3	87.7	89.7	91.0	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	76.7	80.5	89.0	91.4	93.0	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	77.7	81.5	90.4	92.7	95.1	95.6	96.1	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000	77.8	81.6	90.5	92.9	95.9	97.0	97.5	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	77.8	81.6	90.5	92.9	96.0	97.1	97.6	97.6	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	78.1	81.9	90.7	93.1	96.5	97.7	98.2	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	78.1	81.9	90.7	93.1	96.7	98.0	98.5	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.1	81.9	90.7	93.1	96.9	98.1	98.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.4	42.6	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	47.4	50.4	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 18000	47.9	50.9	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 16000	47.9	50.9	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 14000	48.4	51.4	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	49.1	52.1	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 10000	51.9	55.4	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	54.1	57.9	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 8000	60.8	64.9	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	62.1	66.4	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	62.9	67.4	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 5000	65.4	70.1	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4500	66.4	71.3	75.0	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	69.8	75.0	79.5	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	72.0	77.1	82.1	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	75.5	81.0	86.5	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2500	76.3	82.0	89.0	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	77.8	83.6	90.7	91.7	92.3	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	77.8	83.8	91.2	92.2	92.8	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	77.8	83.8	91.3	92.3	93.3	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	78.0	84.0	91.5	93.2	94.7	95.0	95.3	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	78.1	84.1	92.0	94.0	95.7	96.0	96.7	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	78.1	84.1	92.0	94.0	95.7	96.2	97.0	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	78.1	84.1	92.3	94.3	96.2	96.7	97.7	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	78.1	84.1	92.3	94.3	96.2	96.7	97.7	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	78.1	84.1	92.3	94.3	96.2	96.7	97.7	98.5	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	78.1	84.1	92.3	94.3	96.2	96.7	97.7	98.5	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	78.1	84.1	92.3	94.3	96.2	96.8	97.8	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	78.1	84.1	92.3	94.3	96.2	96.8	97.8	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	78.1	84.1	92.3	94.3	96.2	96.8	97.8	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	78.1	84.1	92.3	94.3	96.2	96.8	97.8	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	78.3	84.3	92.5	94.5	96.3	97.0	98.0	98.8	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 599

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL

PERIOD OF RECORD: SEP 76 - AUG 91

LST TO UTC: - 1

MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.6	35.5	39.1	40.5	41.6	42.1	42.2	42.5	42.6	42.6	42.6	42.7	42.7	42.7	42.8	42.8
GE 20000	38.8	40.5	44.8	46.4	47.7	48.2	48.5	48.7	48.8	48.8	48.9	48.9	48.9	48.9	49.0	49.0
GE 18000	39.5	41.3	45.6	47.2	48.5	49.1	49.3	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9	49.9
GE 16000	39.6	41.4	45.8	47.4	48.7	49.2	49.5	49.7	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0
GE 14000	39.8	41.6	46.1	47.7	49.1	49.6	49.9	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.4	50.4
GE 12000	40.5	42.3	47.0	48.7	50.2	50.8	51.0	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6
GE 10000	43.2	45.2	50.7	52.4	54.1	54.7	55.0	55.2	55.3	55.3	55.4	55.4	55.4	55.5	55.5	55.5
GE 9000	44.6	46.8	52.5	54.4	56.2	56.8	57.1	57.3	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6
GE 8000	48.9	51.1	57.3	59.6	61.7	62.3	62.6	62.9	63.0	63.0	63.1	63.1	63.2	63.2	63.3	63.3
GE 7000	50.3	52.7	59.2	61.5	63.6	64.3	64.6	64.9	65.0	65.0	65.1	65.1	65.1	65.2	65.3	65.3
GE 6000	50.8	53.3	59.9	62.2	64.3	65.0	65.3	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.9	65.9
GE 5000	53.1	55.8	62.8	65.3	67.5	68.2	68.5	68.8	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.2
GE 4500	54.2	57.0	64.3	66.7	69.0	69.8	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.8	70.8	70.8
GE 4000	57.2	60.2	68.6	71.1	73.6	74.5	74.9	75.2	75.3	75.3	75.4	75.5	75.5	75.5	75.6	75.6
GE 3500	59.0	62.0	71.1	73.9	76.7	77.5	78.0	78.3	78.4	78.5	78.6	78.6	78.6	78.7	78.7	78.7
GE 3000	62.8	66.0	75.6	78.9	82.1	82.9	83.4	83.8	84.0	84.0	84.1	84.1	84.2	84.2	84.3	84.3
GE 2500	64.2	67.5	78.0	81.5	84.9	85.9	86.5	86.9	87.0	87.0	87.1	87.2	87.2	87.2	87.3	87.3
GE 2000	65.5	68.8	79.8	83.6	87.3	88.3	88.9	89.3	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8
GE 1800	65.9	69.4	80.6	84.4	88.2	89.2	89.9	90.3	90.5	90.6	90.6	90.7	90.7	90.7	90.8	90.8
GE 1500	66.9	70.4	81.8	85.8	90.1	91.2	92.1	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1
GE 1200	67.4	70.9	82.7	87.0	91.8	93.0	94.0	94.6	94.8	95.1	95.2	95.2	95.2	95.3	95.3	95.3
GE 1000	67.5	71.0	82.9	87.4	92.5	94.0	95.2	96.0	96.3	96.6	96.7	96.7	96.7	96.8	96.8	96.8
GE 900	67.5	71.1	83.0	87.5	92.8	94.3	95.6	96.4	96.8	97.0	97.1	97.2	97.2	97.2	97.3	97.3
GE 800	67.6	71.2	83.3	87.8	93.5	95.1	96.4	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.3
GE 700	67.6	71.2	83.3	87.8	93.7	95.4	96.8	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8
GE 600	67.6	71.2	83.3	87.8	93.7	95.4	96.9	97.9	98.5	98.8	98.9	99.0	99.1	99.1	99.2	99.2
GE 500	67.6	71.2	83.3	87.8	93.8	95.5	97.0	98.2	98.9	99.2	99.4	99.5	99.5	99.6	99.7	99.7
GE 400	67.6	71.2	83.3	87.8	93.8	95.6	97.1	98.3	99.0	99.4	99.6	99.7	99.8	99.8	99.9	99.9
GE 300	67.6	71.2	83.3	87.8	93.8	95.6	97.1	98.3	99.0	99.4	99.6	99.7	99.8	99.8	99.9	99.9
GE 200	67.6	71.2	83.3	87.8	93.8	95.6	97.1	98.3	99.0	99.4	99.6	99.7	99.8	99.8	99.9	100.0
GE 100	67.6	71.2	83.3	87.8	93.8	95.6	97.1	98.3	99.0	99.4	99.6	99.7	99.8	99.8	99.9	100.0
GE 000	67.7	71.2	83.3	87.8	93.8	95.6	97.1	98.3	99.1	99.4	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2872

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.8	24.4	33.7	36.0	38.8	39.5	39.8	40.5	40.8	40.8	41.1	41.1	41.4	41.4	41.6	41.6
GE 20000	27.2	28.1	38.4	40.7	43.9	44.5	44.8	45.5	45.8	45.8	46.3	46.4	46.9	46.9	47.0	47.2
GE 18000	27.3	28.2	38.5	40.8	44.0	44.6	44.9	45.7	46.0	46.0	46.4	46.6	47.0	47.0	47.2	47.3
GE 16000	27.3	28.2	38.5	40.8	44.0	44.6	44.9	45.7	46.0	46.0	46.4	46.6	47.0	47.0	47.2	47.3
GE 14000	27.3	28.2	38.5	40.8	44.0	44.6	45.1	45.8	46.1	46.1	46.6	46.7	47.2	47.2	47.3	47.5
GE 12000	29.0	30.0	40.8	43.1	46.3	46.9	47.3	48.1	48.4	48.4	48.9	49.0	49.5	49.5	49.6	49.8
GE 10000	31.3	32.3	43.6	46.1	49.5	50.1	50.5	51.3	51.6	51.7	52.2	52.4	52.8	52.8	53.0	53.1
GE 9000	32.3	33.4	44.9	47.6	51.0	51.7	52.2	53.0	53.3	53.4	53.9	54.0	54.5	54.5	54.6	54.8
GE 8000	37.5	38.8	52.5	55.5	59.3	60.2	60.7	61.5	61.8	61.9	62.4	62.5	63.0	63.0	63.1	63.3
GE 7000	38.5	40.1	54.5	57.8	61.6	62.7	63.3	64.0	64.5	65.1	65.6	65.7	66.2	66.2	66.3	66.5
GE 6000	38.8	40.5	55.1	58.6	62.4	63.4	64.0	64.8	65.3	65.9	66.3	66.5	66.9	66.9	67.1	67.2
GE 5000	41.9	43.6	58.7	62.2	66.5	67.5	68.3	69.0	69.5	70.1	70.6	70.7	71.2	71.2	71.3	71.5
GE 4500	43.1	44.8	59.9	63.4	67.7	68.7	69.7	70.4	70.9	71.5	71.9	72.1	72.5	72.5	72.7	72.8
GE 4000	46.1	48.0	64.5	68.7	73.4	74.5	75.6	76.5	76.9	77.5	78.0	78.1	78.6	78.6	78.8	78.9
GE 3500	48.1	50.1	67.1	71.5	76.9	78.0	79.4	80.3	80.7	81.3	81.8	81.9	82.4	82.4	82.5	82.7
GE 3000	51.3	53.4	71.3	75.9	81.8	82.9	84.2	85.1	85.6	86.2	86.6	86.8	87.3	87.3	87.4	87.6
GE 2500	52.0	54.2	72.2	76.8	82.7	83.8	85.1	86.0	86.5	87.1	87.6	87.7	88.2	88.2	88.3	88.5
GE 2000	52.7	54.8	73.1	77.7	83.9	85.1	86.6	87.7	88.3	88.9	89.4	89.7	90.1	90.1	90.3	90.4
GE 1800	52.7	54.8	73.1	77.7	84.1	85.3	86.8	87.9	88.5	89.1	89.5	89.8	90.3	90.3	90.4	90.6
GE 1500	53.3	55.4	74.4	79.2	85.7	87.1	88.6	89.7	90.3	90.9	91.7	92.0	92.4	92.4	92.6	92.7
GE 1200	53.7	56.0	75.6	80.6	87.6	89.1	90.6	91.7	92.6	93.2	94.2	94.5	95.0	95.0	95.1	95.3
GE 1000	53.9	56.1	75.9	81.0	88.2	89.8	91.5	92.7	93.6	94.2	95.3	95.6	96.1	96.1	96.2	96.4
GE 900	54.0	56.3	76.0	81.2	88.3	90.0	91.8	93.0	93.9	94.7	95.8	96.1	96.5	96.5	96.7	96.8
GE 800	54.0	56.3	76.0	81.2	88.3	90.0	91.8	93.0	94.2	95.0	96.1	96.4	96.8	96.8	97.0	97.1
GE 700	54.0	56.3	76.0	81.2	88.3	90.0	92.1	93.3	95.0	96.1	97.3	97.6	98.0	98.0	98.2	98.3
GE 600	54.0	56.3	76.0	81.2	88.3	90.0	92.1	93.3	95.0	96.1	97.3	97.6	98.0	98.0	98.2	98.3
GE 500	54.0	56.3	76.0	81.2	88.3	90.0	92.1	93.3	95.0	96.1	97.4	97.7	98.2	98.2	98.3	98.5
GE 400	54.0	56.3	76.0	81.2	88.5	90.1	92.3	93.5	95.1	96.5	97.9	98.2	98.6	98.6	98.8	98.9
GE 300	54.0	56.3	76.0	81.2	88.5	90.1	92.4	93.6	95.3	96.7	98.0	98.5	98.9	98.9	99.1	99.2
GE 200	54.0	56.3	76.0	81.2	88.5	90.1	92.4	93.6	95.3	96.7	98.0	98.5	98.9	98.9	99.4	99.8
GE 100	54.0	56.3	76.0	81.2	88.5	90.1	92.4	93.6	95.3	96.7	98.0	98.5	98.9	98.9	99.4	100.0
GE 000	54.0	56.3	76.0	81.2	88.5	90.1	92.4	93.6	95.3	96.7	98.0	98.5	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 659

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.4	32.4	37.2	38.7	39.5	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 20000	35.2	36.3	41.5	43.0	43.8	43.9	44.0	44.0	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 18000	35.4	36.4	41.6	43.1	43.9	44.0	44.1	44.1	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 16000	35.4	36.4	41.6	43.1	43.9	44.0	44.1	44.1	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 14000	35.8	36.8	42.2	43.6	44.4	44.5	44.7	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 12000	37.1	38.3	43.9	45.3	46.1	46.3	46.4	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	39.8	41.2	47.1	48.7	49.5	49.6	49.7	49.7	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 9000	41.4	42.8	48.8	50.4	51.2	51.3	51.5	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 8000	45.3	46.9	53.2	54.9	55.7	55.9	56.0	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 7000	46.1	47.7	54.0	56.3	57.3	57.7	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 6000	46.3	47.9	54.1	56.4	57.4	57.8	58.0	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 5000	50.5	52.4	58.6	60.9	62.0	62.4	62.5	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4500	52.7	54.5	60.9	63.3	64.5	64.9	65.0	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 4000	56.3	58.4	65.6	68.6	69.9	70.5	70.7	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3500	59.7	62.2	70.1	73.4	75.1	75.7	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3000	67.0	69.8	78.3	82.0	84.6	85.1	85.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	68.4	71.1	79.9	84.0	87.4	87.9	88.6	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	69.8	72.6	82.2	86.3	89.9	90.7	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	69.9	72.7	82.6	86.8	90.4	91.2	91.9	91.9	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	70.5	73.3	83.5	87.8	91.6	92.4	93.1	93.1	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	71.8	74.6	85.0	89.2	93.4	94.5	95.2	95.5	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	72.1	74.9	85.5	89.8	94.0	95.6	96.9	97.5	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	72.1	74.9	85.9	90.2	94.5	96.1	97.6	98.1	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	72.1	74.9	85.9	90.2	94.5	96.1	97.6	98.1	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	72.1	74.9	85.9	90.2	94.5	96.1	97.6	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6
GE 600	72.1	74.9	85.9	90.2	94.5	96.1	97.7	98.3	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7
GE 500	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	72.1	74.9	85.9	90.2	94.5	96.3	97.9	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 752

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.9	34.1	35.4	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 20000	39.5	41.1	42.9	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	39.7	41.3	43.0	43.8	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 16000	39.7	41.3	43.0	43.8	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 14000	39.7	41.3	43.1	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	40.3	41.9	43.8	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	43.5	45.1	47.3	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 9000	44.6	46.2	48.3	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	49.7	51.3	53.7	54.5	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 7000	51.7	53.5	56.6	57.5	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 6000	52.6	54.5	57.5	58.5	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 5000	55.9	58.1	61.5	62.5	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4500	58.5	60.9	64.4	65.4	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4000	65.8	68.4	72.7	74.0	74.8	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	70.2	73.0	77.9	79.4	80.2	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3000	77.5	80.4	86.7	88.4	89.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2500	78.8	81.9	89.2	90.9	92.0	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	80.0	81.1	90.7	92.8	94.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	80.4	93.5	91.2	93.3	95.2	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	81.4	84.6	92.4	94.5	96.8	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	81.4	84.6	92.4	94.5	96.8	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	81.9	85.1	93.1	95.2	97.5	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	81.9	85.1	93.1	95.2	97.6	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.9	85.1	93.2	95.3	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.4	35.4	35.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	38.6	40.7	40.7	42.1	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 18000	38.8	40.9	40.9	42.3	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 16000	38.8	40.9	40.9	42.3	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 14000	38.9	41.1	41.1	42.5	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 12000	41.1	43.2	43.2	44.6	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 10000	46.8	48.9	49.3	50.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	48.8	50.9	51.3	52.7	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	55.7	58.0	58.6	60.0	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 7000	59.3	61.8	62.5	63.9	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 6000	59.3	61.8	62.5	63.9	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 5000	64.6	67.3	68.4	69.8	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4500	68.0	71.6	73.0	74.5	75.0	75.0	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	74.1	77.9	79.8	81.4	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3500	77.5	81.4	84.1	85.7	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3000	81.8	86.1	89.6	91.4	92.1	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2500	83.0	87.5	91.6	93.4	94.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	84.6	89.1	93.4	95.4	96.6	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	84.6	89.1	93.4	95.4	96.6	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	85.4	89.8	94.1	96.6	98.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	85.4	89.8	94.1	96.6	98.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	85.4	89.8	94.3	96.8	98.4	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	85.4	89.8	94.3	96.8	98.6	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.4	89.8	94.3	96.8	98.6	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 560



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.4	31.6	35.5	36.8	37.8	38.0	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5
GE 20000	35.2	36.6	41.0	42.4	43.5	43.7	43.8	44.0	44.2	44.2	44.3	44.4	44.5	44.5	44.5	44.6
GE 18000	35.3	36.7	41.1	42.6	43.6	43.9	44.0	44.2	44.3	44.4	44.5	44.5	44.6	44.6	44.7	44.7
GE 16000	35.3	36.7	41.1	42.6	43.6	43.9	44.0	44.2	44.3	44.4	44.5	44.5	44.6	44.6	44.7	44.7
GE 14000	35.5	36.8	41.3	42.8	43.9	44.1	44.2	44.5	44.6	44.6	44.7	44.8	44.9	44.9	44.9	45.0
GE 12000	36.8	38.3	43.0	44.5	45.5	45.7	45.9	46.1	46.3	46.3	46.4	46.4	46.5	46.5	46.6	46.6
GE 10000	40.2	41.7	46.7	48.3	49.4	49.6	49.8	50.0	50.1	50.2	50.3	50.4	50.5	50.5	50.5	50.6
GE 9000	41.6	43.1	48.2	49.9	51.0	51.2	51.4	51.6	51.7	51.8	51.9	51.9	52.1	52.1	52.1	52.1
GE 8000	46.8	48.5	54.3	56.0	57.2	57.5	57.7	57.9	58.1	58.2	58.3	58.3	58.4	58.4	58.4	58.5
GE 7000	48.5	50.4	56.6	58.6	60.0	60.5	60.7	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.6	61.6
GE 6000	48.9	50.8	57.0	59.0	60.5	60.9	61.1	61.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.1
GE 5000	52.8	54.9	61.5	63.5	65.1	65.6	65.8	66.1	66.2	66.4	66.5	66.6	66.7	66.7	66.7	66.8
GE 4500	55.1	57.4	64.1	66.2	67.9	68.4	68.6	68.9	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.6
GE 4000	60.1	62.6	70.2	72.8	74.6	75.2	75.6	75.9	76.0	76.2	76.3	76.4	76.5	76.5	76.5	76.6
GE 3500	63.4	66.2	74.4	77.1	79.2	79.8	80.3	80.6	80.8	81.0	81.1	81.1	81.2	81.2	81.3	81.3
GE 3000	69.1	72.1	81.3	84.2	86.8	87.5	88.0	88.3	88.5	88.7	88.8	88.8	88.9	88.9	89.0	89.0
GE 2500	70.3	73.4	83.0	86.1	88.9	89.6	90.3	90.6	90.7	90.9	91.0	91.1	91.2	91.2	91.2	91.3
GE 2000	71.5	74.6	84.6	87.9	91.1	92.1	92.8	93.1	93.3	93.5	93.6	93.7	93.8	93.8	93.8	93.9
GE 1800	71.7	74.7	84.9	88.2	91.5	92.4	93.1	93.5	93.7	93.9	94.1	94.2	94.3	94.3	94.3	94.3
GE 1500	72.4	75.5	85.9	89.4	92.9	93.9	94.6	95.0	95.2	95.4	95.7	95.7	95.8	95.8	95.9	95.9
GE 1200	72.9	76.0	86.6	90.1	93.9	95.0	95.7	96.2	96.5	96.7	97.0	97.1	97.2	97.2	97.2	97.3
GE 1000	73.1	76.2	87.1	90.6	94.5	95.8	96.7	97.3	97.6	97.8	98.1	98.2	98.3	98.3	98.3	98.4
GE 900	73.1	76.3	87.2	90.7	94.7	96.1	97.1	97.6	98.0	98.2	98.6	98.6	98.8	98.8	98.8	98.8
GE 800	73.1	76.3	87.3	90.8	94.7	96.2	97.2	97.8	98.2	98.5	98.8	98.9	99.0	99.0	99.0	99.0
GE 700	73.1	76.3	87.3	90.8	94.7	96.2	97.2	97.8	98.4	98.8	99.2	99.3	99.4	99.4	99.4	99.5
GE 600	73.1	76.3	87.3	90.8	94.7	96.2	97.3	97.9	98.5	98.9	99.2	99.3	99.4	99.4	99.5	99.5
GE 500	73.1	76.3	87.3	90.8	94.7	96.2	97.3	97.9	98.5	98.9	99.3	99.4	99.6	99.6	99.6	99.6
GE 400	73.1	76.3	87.3	90.8	94.8	96.3	97.4	98.0	98.6	99.0	99.4	99.6	99.7	99.7	99.7	99.7
GE 300	73.1	76.3	87.3	90.8	94.8	96.3	97.4	98.0	98.6	99.1	99.5	99.6	99.7	99.7	99.8	99.8
GE 200	73.1	76.3	87.3	90.8	94.8	96.3	97.4	98.0	98.6	99.1	99.5	99.6	99.7	99.7	99.9	100.0
GE 100	73.1	76.3	87.3	90.8	94.8	96.3	97.4	98.0	98.6	99.1	99.5	99.6	99.7	99.7	99.9	100.0
GE 000	73.1	76.3	87.3	90.8	94.8	96.3	97.4	98.0	98.6	99.1	99.5	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2722

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.1	26.0	34.9	39.6	44.6	45.1	46.1	46.9	47.4	47.6	47.7	47.8	48.1	48.1	48.1	48.4
GE 20000	28.2	29.4	39.2	44.2	49.3	49.9	50.8	51.6	52.2	52.4	52.6	52.7	53.0	53.0	53.0	53.2
GE 18000	28.2	29.4	39.2	44.2	49.5	50.0	50.9	51.8	52.3	52.6	52.7	52.8	53.1	53.1	53.1	53.4
GE 16000	28.2	29.4	39.2	44.2	49.5	50.0	50.9	51.8	52.3	52.6	52.7	52.8	53.1	53.1	53.1	53.4
GE 14000	28.3	29.5	39.4	44.3	49.6	50.1	51.1	51.9	52.6	52.8	53.0	53.1	53.4	53.4	53.4	53.6
GE 12000	29.1	30.3	40.3	45.3	50.5	51.1	52.0	52.8	53.5	53.8	53.9	54.0	54.3	54.3	54.3	54.6
GE 10000	30.7	32.1	42.9	47.8	53.1	53.6	54.6	55.4	56.1	56.5	56.6	56.7	57.0	57.0	57.0	57.3
GE 9000	31.0	32.5	43.5	48.5	53.9	54.4	55.4	56.2	56.9	57.3	57.4	57.5	57.8	57.8	57.8	58.1
GE 8000	34.1	35.6	47.3	52.7	58.9	59.6	60.5	61.3	62.1	62.8	62.9	63.1	63.3	63.3	63.3	63.6
GE 7000	34.9	36.4	49.3	54.9	61.6	62.3	63.2	64.0	64.8	65.6	65.8	65.9	66.2	66.2	66.2	66.4
GE 6000	35.3	36.8	50.3	56.1	62.8	63.5	64.4	65.2	66.2	67.0	67.1	67.3	67.5	67.5	67.5	67.8
GE 5000	38.7	40.2	54.4	60.6	68.7	69.7	70.6	71.6	72.9	73.7	73.9	74.0	74.3	74.3	74.3	74.5
GE 4500	39.9	41.5	56.3	62.9	71.6	72.5	73.5	74.4	75.7	76.5	76.7	76.8	77.1	77.1	77.1	77.4
GE 4000	42.2	43.9	59.4	66.4	75.3	76.4	77.4	78.4	79.8	80.6	80.7	80.9	81.1	81.1	81.1	81.4
GE 3500	43.5	45.3	61.3	68.5	77.9	79.1	80.1	81.4	82.7	83.6	83.7	83.8	84.1	84.1	84.1	84.4
GE 3000	44.6	46.5	63.3	70.9	81.9	83.4	84.5	86.1	87.5	88.3	88.4	88.5	88.8	88.8	88.8	89.1
GE 2500	45.3	47.2	64.0	71.6	82.7	84.4	85.4	87.5	88.8	89.6	89.8	89.9	90.2	90.2	90.2	90.4
GE 2000	46.5	48.4	65.4	72.9	84.4	86.1	87.2	89.2	90.7	91.5	91.6	91.8	92.0	92.0	92.0	92.3
GE 1800	46.5	48.4	65.4	73.2	84.6	86.4	87.5	89.5	91.0	91.8	91.9	92.0	92.3	92.3	92.3	92.6
GE 1500	47.0	48.9	66.6	74.4	86.0	88.0	89.2	91.5	93.0	94.1	94.2	94.3	94.6	94.6	94.6	94.9
GE 1200	47.7	49.6	67.5	75.7	87.5	89.5	90.8	93.3	94.7	96.1	96.2	96.4	96.6	96.6	96.6	96.9
GE 1000	48.0	49.9	68.3	76.5	88.3	90.3	91.6	94.2	95.7	97.0	97.2	97.3	97.6	97.6	97.6	97.8
GE 900	48.2	50.1	68.6	76.8	88.5	90.6	91.9	94.6	96.2	97.6	97.7	97.8	98.1	98.1	98.1	98.4
GE 800	48.4	50.3	68.7	77.1	88.8	91.0	92.3	95.0	96.8	98.1	98.2	98.4	98.7	98.7	98.7	98.9
GE 700	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.4	98.5	98.7	98.9	98.9	98.9	99.2
GE 600	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.4	98.5	98.7	98.9	98.9	98.9	99.2
GE 500	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.4	98.5	98.7	98.9	98.9	98.9	99.2
GE 400	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.5	98.7	98.8	99.1	99.1	99.1	99.3
GE 300	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.5	98.7	98.8	99.1	99.1	99.1	99.3
GE 200	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.5	98.7	98.8	99.1	99.1	99.2	99.6
GE 100	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.5	98.7	98.8	99.1	99.1	99.3	99.9
GE 000	48.4	50.3	68.7	77.2	88.9	91.1	92.5	95.1	97.0	98.5	98.7	98.8	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 742

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.3	34.5	40.8	44.0	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	37.4	38.9	45.6	48.8	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 18000	37.4	38.9	45.8	49.1	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 16000	37.5	39.0	45.9	49.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 14000	37.6	39.1	46.1	49.4	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	38.1	39.7	46.7	50.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	40.0	41.7	48.9	52.3	53.7	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 9000	40.2	41.9	49.2	52.6	54.0	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 8000	43.5	45.3	54.4	58.1	59.8	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	44.9	46.7	56.2	60.0	62.4	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	45.0	46.8	56.4	60.3	62.6	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 5000	48.1	50.0	60.3	64.6	68.0	68.8	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 4500	49.8	51.8	62.1	66.6	70.4	71.3	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	53.9	56.0	67.4	72.2	76.4	77.3	77.6	77.9	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2
GE 3500	56.8	59.0	71.0	76.2	80.6	81.5	81.8	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	61.1	63.6	77.1	82.7	87.5	88.4	88.7	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3
GE 2500	61.6	64.0	77.7	83.8	88.6	89.6	89.8	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	63.4	66.1	80.1	86.3	91.4	92.8	93.0	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	63.8	66.5	80.6	86.8	91.8	93.3	93.6	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	64.5	67.2	81.8	88.0	93.2	94.9	95.3	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	64.8	67.5	82.1	88.8	94.2	96.0	96.8	97.5	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	65.0	67.6	82.4	89.1	94.9	96.8	97.7	98.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	65.2	67.9	82.6	89.5	95.4	97.4	98.2	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	65.2	67.9	82.6	89.5	95.4	97.4	98.2	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.2	39.6	41.3	42.7	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 20000	44.6	46.7	48.7	50.2	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 18000	44.7	46.8	48.8	50.4	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000	44.7	46.8	48.8	50.4	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 14000	45.1	47.2	49.2	50.7	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 12000	45.9	48.0	50.0	51.5	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 10000	48.1	50.5	52.6	54.2	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	49.3	51.6	53.9	55.6	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	54.4	56.8	59.9	61.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	56.1	58.7	62.2	64.0	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	56.2	58.9	62.7	64.5	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	61.3	64.1	68.2	70.0	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	64.2	67.3	71.5	73.3	74.5	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4000	58.6	71.9	76.6	78.8	80.1	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3500	72.2	75.8	81.3	83.8	85.3	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	77.4	81.5	87.9	90.6	92.5	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	78.4	82.5	88.9	91.8	93.8	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	79.1	83.2	90.1	93.1	96.0	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	79.4	83.5	90.7	93.6	96.6	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	79.6	83.8	91.1	94.1	97.2	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	79.8	83.9	91.2	94.5	97.8	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	79.9	84.0	91.3	94.6	98.4	99.2	99.5	99.6	99.6	99.8	99.8	99.6	99.8	99.8	99.8	99.8
GE 900	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.9	84.0	91.4	94.8	98.6	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	43.0	44.3	45.3	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	50.2	51.8	53.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 18000	50.4	52.0	53.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 16000	50.4	52.0	53.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 14000	50.6	52.2	53.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	51.5	53.3	54.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	54.4	56.2	57.9	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 9000	55.5	57.3	59.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	60.4	62.4	64.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	63.4	65.5	67.3	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 6000	63.6	65.7	67.7	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 5000	68.5	70.6	73.4	75.9	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	70.6	72.9	75.8	78.5	79.1	79.1	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4000	76.6	79.1	82.3	85.2	85.9	85.9	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3500	78.5	81.2	84.9	87.8	88.8	88.8	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3000	82.0	84.9	88.9	92.3	93.9	93.9	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	82.8	85.7	90.0	93.4	95.2	95.3	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000	83.1	86.2	90.5	93.9	95.8	96.0	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	83.5	86.5	90.9	94.2	96.3	96.5	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	83.9	87.0	91.5	95.2	97.4	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	84.4	87.5	92.0	96.1	98.4	98.6	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	84.6	87.6	92.1	96.3	98.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	84.6	87.6	92.1	96.3	98.7	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	84.6	87.6	92.1	96.3	98.7	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	84.6	87.6	92.1	96.3	98.7	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.6	87.6	92.1	96.3	98.7	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 623

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.6	35.9	40.4	43.3	45.0	45.3	45.5	45.7	45.8	45.8	45.9	45.9	46.0	46.0	46.0	46.0
GE 20000	39.8	41.4	46.5	49.5	51.3	51.5	51.8	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4
GE 18000	39.8	41.5	46.6	49.6	51.5	51.7	51.9	52.1	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.5
GE 16000	39.9	41.5	46.7	49.7	51.5	51.7	52.0	52.2	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.6
GE 14000	40.1	41.7	46.9	49.9	51.7	52.0	52.2	52.4	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.8
GE 12000	40.8	42.5	47.7	50.7	52.6	52.8	53.0	53.2	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7
GE 10000	42.9	44.7	50.3	53.4	55.3	55.5	55.7	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.4
GE 9000	43.6	45.5	51.1	54.2	56.2	56.4	56.7	56.9	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3
GE 8000	47.6	49.6	56.2	59.5	61.8	62.1	62.3	62.6	62.7	62.9	62.9	63.0	63.0	63.0	63.0	63.1
GE 7000	49.3	51.4	58.5	61.9	64.5	64.8	65.1	65.3	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.9
GE 6000	49.5	51.6	59.0	62.5	65.1	65.5	65.7	65.9	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.6
GE 5000	53.6	55.7	63.7	67.4	70.8	71.2	71.5	71.9	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.6
GE 4500	55.6	57.9	66.1	70.0	73.6	74.1	74.5	74.9	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.6
GE 4000	59.7	62.2	71.1	75.3	79.1	79.7	80.0	80.5	80.8	81.0	81.1	81.1	81.2	81.2	81.2	81.3
GE 3500	62.3	64.8	74.3	78.8	82.9	83.5	83.9	84.4	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.2
GE 3000	65.9	68.7	79.2	84.0	88.8	89.5	89.9	90.5	90.8	91.0	91.1	91.1	91.2	91.2	91.2	91.3
GE 2500	66.6	69.5	80.0	85.0	89.9	90.7	91.1	91.8	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.6
GE 2000	67.7	70.6	81.4	86.5	91.9	92.8	93.2	93.9	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.8
GE 1800	67.9	70.9	81.8	86.9	92.3	93.4	93.8	94.5	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3
GE 1500	68.4	71.4	82.6	87.9	93.4	94.6	95.1	95.9	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.9
GE 1200	68.8	71.8	83.1	88.7	94.4	95.6	96.3	97.1	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.2
GE 1000	69.0	71.9	83.4	89.1	95.0	96.4	97.0	97.9	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.1
GE 900	69.1	72.1	83.6	89.3	95.3	96.6	97.3	98.3	98.7	99.3	99.3	99.3	99.4	99.4	99.4	99.5
GE 800	69.1	72.1	83.6	89.4	95.4	96.7	97.4	98.4	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.4	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 600	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
GE 500	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8
GE 400	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9
GE 100	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE 000	69.1	72.1	83.6	89.4	95.4	96.8	97.5	98.5	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3071

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.8	26.3	34.2	38.8	42.7	44.7	45.2	46.6	47.8	48.7	49.1	49.9	50.1	50.2	50.7	51.9
GE 20000	28.9	29.4	38.8	44.3	48.3	50.3	51.1	52.4	53.7	54.5	54.9	55.8	55.9	56.0	56.5	58.0
GE 18000	28.9	29.4	38.8	44.3	48.3	50.3	51.2	52.5	53.8	54.7	55.0	55.9	56.0	56.1	56.6	58.1
GE 16000	28.9	29.4	38.8	44.3	48.3	50.3	51.2	52.5	53.8	54.7	55.0	55.9	56.0	56.1	56.6	58.1
GE 14000	29.4	29.9	39.3	44.8	48.8	50.8	51.7	53.0	54.3	55.2	55.5	56.4	56.5	56.6	57.1	58.6
GE 12000	29.6	30.1	39.6	45.2	49.4	51.6	52.4	53.8	55.0	56.0	56.4	57.3	57.4	57.5	58.0	59.5
GE 10000	31.2	32.2	42.7	48.4	52.8	55.4	56.3	57.6	58.9	59.9	60.2	61.1	61.2	61.5	62.0	63.6
GE 9000	32.2	33.2	44.0	49.9	54.3	56.9	57.8	59.3	60.5	61.5	61.9	62.7	62.9	63.1	63.6	65.2
GE 8000	33.7	34.8	46.3	52.4	57.5	60.2	61.2	62.7	64.0	65.1	65.6	66.6	66.7	67.1	67.7	69.3
GE 7000	35.2	36.3	48.2	54.5	59.6	62.4	63.5	65.0	66.2	67.3	67.8	68.8	69.1	69.4	70.1	71.7
GE 6000	35.7	36.8	48.8	55.2	60.5	63.2	64.3	65.8	67.1	68.2	68.7	69.7	69.9	70.3	70.9	72.5
GE 5000	37.5	38.6	50.8	57.1	63.2	66.0	67.2	68.7	69.9	71.2	71.7	72.7	72.9	73.3	73.9	75.5
GE 4500	37.9	39.0	51.3	58.0	64.3	67.2	68.4	69.9	71.2	72.4	72.9	73.9	74.2	74.5	75.2	76.8
GE 4000	41.2	42.4	55.7	62.9	69.9	73.0	74.3	76.1	77.5	78.8	79.3	80.6	80.9	81.2	81.9	83.5
GE 3500	42.0	43.1	57.6	65.1	72.5	75.7	76.9	78.8	80.1	81.4	81.9	83.2	83.5	83.9	84.5	86.1
GE 3000	43.7	45.0	60.5	68.0	75.7	79.0	80.6	82.9	84.2	85.5	86.0	87.3	87.6	88.0	88.6	90.2
GE 2500	43.7	45.0	60.7	68.6	76.4	79.9	81.5	83.7	85.3	86.6	87.1	88.4	88.7	89.1	89.7	91.3
GE 2000	44.2	45.5	61.7	69.6	77.8	81.4	83.0	85.2	87.0	88.3	88.9	90.3	90.6	90.9	91.6	93.3
GE 1800	44.3	45.6	61.9	69.7	78.1	81.7	83.4	85.7	87.6	88.9	89.6	90.9	91.2	91.6	92.2	93.9
GE 1500	44.7	46.0	62.2	70.1	78.9	82.5	84.1	86.6	88.4	89.8	90.4	91.8	92.0	92.4	93.0	94.8
GE 1200	45.2	46.5	63.1	71.2	80.4	84.1	85.8	88.4	90.3	91.7	92.3	93.8	94.0	94.4	95.0	96.8
GE 1000	45.3	46.6	63.4	71.4	80.6	84.3	86.2	88.8	90.7	92.0	92.7	94.2	94.4	94.8	95.5	97.5
GE 900	45.3	46.6	63.4	71.4	81.0	84.7	86.8	89.7	91.7	93.0	93.7	95.2	95.4	95.8	96.5	98.5
GE 800	45.3	46.6	63.4	71.4	81.1	84.8	87.0	89.8	91.8	93.2	93.8	95.3	95.5	95.9	96.6	98.6
GE 700	45.3	46.6	63.4	71.4	81.2	85.0	87.1	90.1	92.0	93.4	94.0	95.5	95.8	96.1	96.9	98.9
GE 600	45.3	46.6	63.4	71.4	81.2	85.0	87.1	90.1	92.0	93.4	94.0	95.5	95.8	96.1	96.9	98.9
GE 500	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.3	93.8	94.4	96.0	96.3	96.6	97.4	99.4
GE 400	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.7	94.2	94.8	96.4	96.6	97.0	97.8	99.9
GE 300	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.7	94.2	94.8	96.4	96.6	97.0	97.8	99.9
GE 200	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.7	94.2	94.8	96.5	96.8	97.1	97.9	100.0
GE 100	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.7	94.2	94.8	96.5	96.8	97.1	97.9	100.0
GE 000	45.3	46.6	63.4	71.4	81.2	85.0	87.3	90.3	92.7	94.2	94.8	96.5	96.8	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 805

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.3	32.0	40.9	44.8	47.1	48.3	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 20000	35.6	36.7	46.0	50.4	53.0	54.2	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	35.7	36.8	46.1	50.5	53.1	54.3	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 16000	35.7	36.8	46.1	50.5	53.1	54.3	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 14000	35.8	36.9	46.2	50.6	53.2	54.4	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	37.0	38.2	47.6	52.2	54.9	56.1	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	39.8	41.1	50.7	55.2	58.5	60.2	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	41.3	42.5	52.2	56.8	60.2	61.8	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	44.0	45.2	55.9	60.8	64.8	66.6	67.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 7000	45.7	46.9	57.6	62.5	66.8	68.6	69.0	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	46.2	47.6	58.5	63.5	67.9	69.8	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 5000	49.6	51.1	62.6	68.1	72.7	74.9	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4500	50.2	51.6	63.6	69.2	73.8	76.0	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	53.6	55.2	67.9	73.6	78.6	80.8	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3500	55.6	57.2	70.1	75.9	80.8	83.1	83.6	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	58.1	59.8	73.8	80.0	85.5	88.2	88.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2500	58.8	60.5	74.5	80.7	86.2	88.9	89.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	59.9	61.6	76.0	82.4	88.2	90.9	91.9	93.2	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 1800	60.0	61.7	76.1	82.5	88.3	91.0	92.0	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	60.5	62.2	76.9	83.6	89.7	92.5	93.5	94.7	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	61.1	62.7	78.0	85.1	91.5	94.3	95.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	61.2	62.9	78.1	85.2	91.7	94.5	95.7	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.6
GE 900	61.2	62.9	78.1	85.2	92.4	95.4	96.6	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.5
GE 800	61.2	62.9	78.1	85.2	92.4	95.5	96.9	98.2	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.8
GE 700	61.2	62.9	78.2	85.3	92.5	95.7	97.2	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.3
GE 600	61.2	62.9	78.2	85.3	92.5	95.7	97.2	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.3
GE 500	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8
GE 400	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	61.2	62.9	78.2	85.3	92.5	95.7	97.4	98.9	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 891



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.1	38.0	41.3	42.9	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	43.9	45.1	49.1	51.0	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	44.2	45.4	49.4	51.5	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	44.2	45.4	49.4	51.5	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	44.2	45.4	49.6	51.6	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 12000	46.2	47.4	51.9	53.9	54.8	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 10000	49.6	51.0	56.0	58.3	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 9000	49.9	51.3	56.4	58.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	54.7	56.2	62.2	64.8	66.1	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 7000	55.8	57.3	63.4	66.0	67.2	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	56.0	57.4	63.5	66.1	67.4	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 5000	60.1	61.6	68.0	70.6	72.4	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 4500	62.4	63.8	70.8	73.4	75.2	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	68.3	70.1	77.6	80.8	83.1	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3500	72.6	74.6	82.4	85.7	88.1	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3000	76.7	78.9	87.4	90.9	94.0	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	77.1	79.2	87.9	91.6	94.9	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	77.6	79.8	88.5	92.6	96.1	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	77.6	79.8	88.5	92.6	96.1	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	77.8	79.9	89.0	93.0	96.6	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	78.0	80.1	89.3	93.5	97.5	98.4	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	78.1	80.2	89.6	93.7	97.8	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	78.1	80.2	89.6	93.7	97.8	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	78.1	80.2	89.6	93.7	97.9	98.9	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	78.1	80.2	89.6	93.7	98.0	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.8	43.2	46.6	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	50.5	53.2	57.4	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	51.1	53.9	58.4	59.5	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	51.1	53.9	58.4	59.5	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	51.4	54.2	58.7	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	53.2	56.1	60.7	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	56.2	59.2	63.9	65.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 9000	57.1	60.1	64.8	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	61.9	64.9	70.2	72.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	63.8	66.8	72.1	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 6000	64.1	67.1	72.4	74.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 5000	69.5	72.5	78.1	80.1	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	70.7	73.8	80.1	82.1	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4000	75.5	78.7	85.4	87.6	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3500	77.4	80.8	87.8	90.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3000	80.4	83.8	91.0	93.3	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	81.0	84.4	91.7	94.0	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	81.3	84.8	92.1	94.6	97.1	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	81.3	84.8	92.1	94.6	97.1	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	81.4	85.0	92.3	94.7	97.6	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	81.5	85.1	92.6	95.0	97.9	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	81.7	85.3	92.7	95.1	98.0	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	81.7	85.3	92.8	95.3	98.3	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	81.7	85.3	92.8	95.3	98.3	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	81.7	85.3	92.8	95.3	98.3	99.0	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.7	85.3	92.8	95.3	98.4	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 699

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.5	34.6	40.6	43.3	45.2	46.0	46.2	46.7	47.0	47.2	47.3	47.5	47.5	47.5	47.7	48.0
GE 20000	39.4	40.7	47.5	50.8	52.8	53.7	53.9	54.4	54.7	54.9	55.0	55.2	55.3	55.3	55.4	55.8
GE 18000	39.6	41.0	47.8	51.2	53.2	54.1	54.3	54.8	55.1	55.3	55.4	55.6	55.7	55.7	55.8	56.2
GE 16000	39.6	41.0	47.8	51.2	53.2	54.1	54.3	54.8	55.1	55.3	55.4	55.6	55.7	55.7	55.8	56.2
GE 14000	39.8	41.2	48.1	51.4	53.5	54.3	54.6	55.1	55.4	55.6	55.7	55.9	55.9	56.0	56.1	56.4
GE 12000	41.1	42.5	49.6	53.0	55.2	56.0	56.3	56.8	57.1	57.4	57.4	57.7	57.7	57.7	57.8	58.2
GE 10000	43.8	45.4	53.0	56.6	59.0	60.1	60.4	60.9	61.2	61.4	61.5	61.7	61.8	61.8	61.9	62.3
GE 9000	44.7	46.4	54.0	57.7	60.1	61.2	61.6	62.1	62.4	62.7	62.8	63.0	63.0	63.1	63.2	63.6
GE 8000	44.2	49.8	58.3	62.3	65.1	66.4	66.7	67.4	67.7	67.9	68.1	68.3	68.3	68.4	68.6	69.0
GE 7000	49.7	51.4	59.9	63.9	66.9	68.1	68.5	69.2	69.5	69.7	69.9	70.1	70.2	70.3	70.4	70.8
GE 6000	50.1	51.8	60.4	64.4	67.6	68.9	69.3	69.9	70.2	70.5	70.6	70.9	70.9	71.0	71.2	71.6
GE 5000	53.7	55.4	64.5	68.6	72.3	73.7	74.2	74.8	75.1	75.4	75.6	75.8	75.9	76.0	76.1	76.5
GE 4500	54.8	56.6	66.1	70.4	74.0	75.5	76.0	76.6	76.9	77.2	77.4	77.6	77.7	77.7	77.9	78.3
GE 4000	59.2	61.1	71.3	75.9	80.0	81.6	82.0	82.8	83.1	83.4	83.5	83.9	83.9	84.0	84.2	84.6
GE 3500	61.5	63.5	74.2	78.9	83.2	84.7	85.2	85.9	86.3	86.6	86.7	87.1	87.1	87.2	87.4	87.8
GE 3000	64.4	66.5	77.9	82.8	87.6	89.4	90.0	90.8	91.2	91.5	91.6	91.9	92.0	92.1	92.2	92.6
GE 2500	64.8	66.8	78.4	83.5	88.4	90.2	90.7	91.6	92.1	92.4	92.5	92.8	92.9	93.0	93.1	93.5
GE 2000	65.4	67.5	79.3	84.6	89.7	91.6	92.4	93.5	93.9	94.2	94.5	94.8	94.9	95.0	95.1	95.6
GE 1800	65.5	67.6	79.4	84.7	89.8	91.8	92.5	93.6	94.1	94.4	94.7	95.0	95.1	95.2	95.3	95.7
GE 1500	67.8	67.9	79.8	85.2	90.6	92.6	93.4	94.5	95.0	95.3	95.6	95.9	96.0	96.1	96.2	96.7
GE 1200	66.1	68.2	80.5	86.1	91.8	93.8	94.6	95.8	96.3	96.7	96.9	97.3	97.3	97.4	97.6	98.0
GE 1000	66.2	68.3	80.7	86.2	92.0	94.0	94.9	96.2	96.7	97.0	97.2	97.6	97.7	97.7	97.9	98.4
GE 900	66.2	68.3	80.7	86.3	92.3	94.4	95.5	96.7	97.3	97.6	97.8	98.2	98.3	98.4	98.5	99.1
GE 800	66.2	68.3	80.7	86.3	92.4	94.6	95.6	96.9	97.4	97.8	98.0	98.4	98.4	98.5	98.7	99.2
GE 700	66.2	68.3	80.8	86.3	92.4	94.6	95.8	97.1	97.6	98.0	98.2	98.6	98.7	98.8	98.9	99.5
GE 600	66.2	68.3	80.8	86.3	92.5	94.7	95.8	97.1	97.7	98.0	98.3	98.6	98.7	98.8	99.0	99.5
GE 500	66.2	68.3	80.8	86.3	92.5	94.7	95.9	97.3	97.8	98.2	98.5	98.9	99.0	99.1	99.2	99.8
GE 400	66.2	68.3	80.8	86.3	92.5	94.7	95.9	97.3	97.9	98.4	98.6	99.0	99.1	99.2	99.4	99.9
GE 300	66.2	68.3	80.8	86.3	92.5	94.7	95.9	97.3	97.9	98.4	98.6	99.0	99.1	99.2	99.4	99.9
GE 200	66.2	68.3	80.8	86.3	92.5	94.7	95.9	97.3	97.9	98.4	98.7	99.1	99.1	99.2	99.4	100.0
GE 100	66.2	68.3	80.8	86.3	92.5	94.7	95.9	97.3	97.9	98.4	98.7	99.1	99.1	99.2	99.4	100.0
GE 000	66.2	68.3	80.8	86.3	92.5	94.7	96.0	97.3	97.9	98.4	98.7	99.1	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.2	13.0	19.5	22.1	26.3	29.0	30.9	32.8	34.5	35.8	37.3	38.0	38.7	39.2	39.6	42.3
GE 20000	13.7	14.6	21.9	25.1	29.8	32.6	34.5	36.6	38.4	39.9	41.3	42.0	42.7	43.2	43.6	46.3
GE 18000	13.8	14.8	22.0	25.2	30.1	32.9	34.9	37.0	38.8	40.3	41.7	42.4	43.1	43.6	44.0	46.7
GE 16000	13.8	14.8	22.0	25.2	30.1	32.9	34.9	37.0	38.8	40.3	41.7	42.4	43.1	43.6	44.0	46.7
GE 14000	13.8	14.8	22.1	25.4	30.2	33.0	35.0	37.3	39.1	40.5	42.0	42.7	43.4	43.9	44.3	47.0
GE 12000	14.2	15.2	22.7	25.9	30.7	33.6	35.6	37.9	39.6	41.1	42.6	43.2	43.9	44.4	44.8	47.5
GE 10000	15.2	16.2	24.0	27.2	32.3	35.3	37.4	39.7	41.5	43.0	44.4	45.1	45.8	46.3	46.7	49.4
GE 9000	15.7	16.9	25.0	28.3	33.7	36.6	39.3	41.7	43.5	45.0	46.4	47.1	47.8	48.3	48.7	51.4
GE 8000	18.8	20.1	29.0	33.2	39.6	42.7	45.4	48.2	49.9	51.4	53.2	53.8	54.5	55.0	55.7	58.5
GE 7000	19.5	20.8	31.0	35.2	42.0	45.5	48.5	51.4	53.2	54.9	56.6	57.3	58.0	58.5	59.2	62.0
GE 6000	19.9	21.3	31.7	36.1	43.2	46.8	49.9	53.0	54.8	56.5	58.3	58.9	59.6	60.1	60.8	63.9
GE 5000	21.1	22.6	33.2	37.9	45.9	49.7	52.9	56.2	58.0	59.7	61.6	62.4	63.1	63.6	64.3	67.5
GE 4500	21.5	23.0	34.4	39.2	48.2	51.9	55.2	58.7	60.5	62.3	64.2	65.0	65.6	66.2	66.8	70.1
GE 4000	23.4	24.8	37.6	42.6	51.9	56.0	59.2	63.0	65.0	66.7	68.6	69.4	70.2	70.7	71.5	74.8
GE 3500	23.9	25.6	38.8	43.8	53.2	57.2	60.4	64.4	66.6	68.3	70.2	71.0	71.8	72.3	73.2	76.4
GE 3000	24.8	27.1	41.5	47.0	56.4	60.5	63.9	67.9	70.2	71.9	73.8	74.6	75.4	76.0	76.8	80.0
GE 2500	25.1	27.5	42.1	47.9	58.4	62.7	66.3	70.5	72.8	74.5	76.4	77.2	78.0	78.5	79.3	82.7
GE 2000	25.4	28.1	43.2	49.3	60.9	65.2	69.1	74.0	76.4	78.1	80.0	80.8	81.6	82.1	83.0	86.3
GE 1800	25.5	28.2	43.5	49.5	61.3	65.8	69.7	74.5	76.9	78.7	80.5	81.3	82.1	82.7	83.5	86.8
GE 1500	25.9	28.6	44.2	50.2	62.3	67.0	71.0	75.8	78.3	80.0	81.9	82.7	83.5	84.0	84.8	88.3
GE 1200	26.3	29.0	44.7	50.9	63.1	68.1	72.2	77.4	79.9	81.6	83.5	84.3	85.1	85.6	86.4	89.9
GE 1000	26.4	29.1	44.8	51.0	63.5	68.5	72.8	78.3	80.7	82.4	84.3	85.1	85.9	86.4	87.2	90.7
GE 900	26.6	29.3	45.0	51.1	63.6	68.6	73.2	78.7	81.2	83.1	85.1	85.9	86.7	87.2	88.1	91.5
GE 800	26.6	29.3	45.0	51.1	63.8	68.9	73.7	79.3	81.9	83.9	85.9	86.7	87.5	88.2	89.0	92.5
GE 700	26.6	29.3	45.0	51.1	63.8	68.9	73.7	79.9	82.4	85.0	87.1	87.9	88.7	89.4	90.2	93.7
GE 600	26.6	29.3	45.0	51.1	63.8	68.9	73.7	79.9	82.7	85.4	87.5	88.3	89.1	89.8	90.6	94.1
GE 500	26.6	29.3	45.0	51.1	63.8	69.0	74.2	80.7	83.5	86.4	88.6	89.4	90.2	90.9	91.8	95.3
GE 400	26.6	29.3	45.0	51.1	63.8	69.0	74.4	81.1	84.0	87.1	89.4	90.2	91.0	91.7	92.8	96.4
GE 300	26.6	29.3	45.0	51.1	63.8	69.0	74.4	81.1	84.0	87.1	89.4	90.2	91.0	91.7	92.8	96.5
GE 200	26.6	29.3	45.0	51.1	63.8	69.0	74.4	81.1	84.0	87.1	89.4	90.3	91.1	92.1	93.3	97.4
GE 100	26.6	29.3	45.0	51.1	63.8	69.0	74.4	81.1	84.0	87.1	89.4	90.3	91.1	92.3	93.6	98.9
GE 000	26.6	29.3	45.0	51.1	63.8	69.0	74.4	81.1	84.0	87.1	89.4	90.3	91.1	92.3	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 745

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.7	21.7	28.4	31.6	36.2	38.6	40.4	42.2	42.7	43.3	43.5	43.8	43.9	44.3	44.3	44.3
GE 20000	23.4	24.5	32.2	35.7	40.4	43.0	44.8	46.7	47.2	47.8	48.1	48.4	48.5	48.9	48.9	48.9
GE 18000	23.4	24.5	32.2	35.7	40.4	43.0	44.8	46.7	47.2	47.8	48.1	48.4	48.5	48.9	48.9	48.9
GE 16000	23.4	24.5	32.2	35.7	40.4	43.0	44.8	46.7	47.2	47.8	48.1	48.4	48.5	48.9	48.9	48.9
GE 14000	23.9	25.0	32.9	36.5	41.2	43.8	45.6	47.5	48.0	48.5	48.9	49.2	49.3	49.7	49.7	49.7
GE 12000	23.9	25.0	32.9	36.5	41.3	43.9	45.7	47.6	48.1	48.7	49.2	49.4	49.6	49.9	49.9	49.9
GE 10000	25.9	27.1	35.6	39.4	44.5	47.1	48.9	50.8	51.3	51.9	52.4	52.6	52.8	53.1	53.1	53.1
GE 9000	26.3	27.5	36.1	40.2	45.3	47.9	50.1	52.2	52.8	53.3	53.8	54.0	54.2	54.6	54.6	54.6
GE 8000	31.3	32.9	43.0	47.4	53.5	56.2	58.5	60.8	61.5	62.0	62.6	62.9	63.0	63.4	63.4	63.4
GE 7000	32.2	34.0	44.5	49.2	55.6	58.7	61.0	63.3	63.9	64.4	65.1	65.3	65.5	65.9	65.9	65.9
GE 6000	33.1	34.9	45.6	50.2	56.6	59.7	62.0	64.3	65.0	65.5	66.2	66.5	66.6	67.0	67.0	67.0
GE 5000	34.0	35.8	46.6	51.3	57.8	60.8	63.3	65.6	66.4	67.0	67.8	68.0	68.2	68.5	68.5	68.5
GE 4500	34.7	36.5	47.5	52.4	58.8	61.9	64.4	66.8	67.5	68.2	68.9	69.2	69.3	69.7	69.7	69.7
GE 4000	38.3	40.2	51.6	57.0	63.8	67.1	70.2	72.7	73.4	74.2	75.0	75.2	75.4	75.7	75.7	75.7
GE 3500	38.8	40.7	52.1	57.9	65.0	68.4	71.5	73.9	74.7	75.5	76.3	76.5	76.6	77.0	77.0	77.0
GE 3000	40.9	42.9	55.1	61.1	68.5	72.1	75.4	77.8	78.6	79.3	80.1	80.4	80.5	80.9	80.9	80.9
GE 2500	41.6	43.5	56.1	62.6	70.7	74.5	77.8	80.2	81.0	81.8	82.7	82.9	83.1	83.6	83.6	83.8
GE 2000	42.9	44.8	58.0	64.6	73.3	77.2	80.5	83.3	84.1	85.0	85.9	86.1	86.3	86.8	86.8	87.0
GE 1800	43.0	44.9	58.3	65.0	73.8	77.7	81.0	83.8	84.6	85.5	86.4	86.6	86.8	87.3	87.3	87.5
GE 1500	43.6	45.6	59.6	66.2	75.6	79.7	83.2	86.1	86.9	87.9	88.8	89.1	89.2	89.7	89.7	90.0
GE 1200	43.8	45.7	60.2	67.0	76.9	81.1	84.6	87.8	88.6	89.7	90.6	90.9	91.0	91.5	91.5	91.8
GE 1000	43.8	45.7	60.5	67.3	77.5	81.9	85.8	89.0	89.1	91.1	92.0	92.3	92.4	92.9	92.9	93.2
GE 900	43.8	45.7	60.6	67.4	77.8	82.2	86.0	89.2	90.1	91.5	92.4	92.7	92.8	93.3	93.3	93.6
GE 800	43.8	45.7	60.6	67.4	78.2	82.5	86.5	89.9	90.8	92.2	93.1	93.3	93.5	94.0	94.0	94.2
GE 700	43.8	45.7	60.7	67.5	78.6	83.3	87.5	91.4	92.6	94.2	95.1	95.4	95.5	96.0	96.0	96.3
GE 600	43.8	45.7	60.8	67.8	78.8	83.8	88.1	92.3	93.7	95.4	96.3	96.5	96.7	97.2	97.2	97.4
GE 500	43.8	45.7	60.8	67.8	78.8	83.8	88.2	92.7	94.1	95.8	96.7	97.0	97.2	97.7	97.7	97.9
GE 400	43.8	45.7	60.8	67.8	78.8	83.8	88.3	92.9	94.7	96.4	97.3	98.1	98.2	98.7	98.8	99.1
GE 300	43.8	45.7	60.8	67.8	78.8	83.8	88.3	92.9	94.9	96.7	97.7	98.5	98.7	99.2	99.4	99.7
GE 200	43.8	45.7	60.8	67.8	78.8	83.8	88.3	92.9	94.9	96.7	97.7	98.5	98.7	99.2	99.4	99.7
GE 100	43.8	45.7	60.8	67.8	78.8	83.8	88.3	92.9	94.9	96.7	97.7	98.5	98.7	99.2	99.4	99.7
GE 000	43.9	45.8	61.0	67.9	78.9	84.0	88.4	93.1	95.0	96.8	97.8	98.6	98.8	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 779

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.9	34.4	38.8	43.8	46.3	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 20000	37.2	38.9	44.2	49.2	52.0	52.6	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	37.3	39.0	44.3	49.4	52.1	52.8	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	37.3	39.0	44.3	49.4	52.1	52.8	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 14000	37.3	39.0	44.5	49.5	52.3	52.9	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 12000	37.5	39.3	44.7	49.7	52.5	53.1	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	39.8	41.7	47.7	52.8	55.5	56.2	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 9000	40.1	41.9	48.1	53.1	55.9	56.5	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 8000	45.3	47.6	55.3	60.6	64.1	65.1	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	47.4	50.0	57.9	63.4	66.9	67.9	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	48.1	51.0	59.1	64.7	68.3	69.3	69.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	50.6	53.7	62.0	67.9	71.5	72.7	73.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4500	51.1	54.2	63.0	68.9	72.5	73.7	74.4	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	55.3	58.3	67.9	74.2	77.8	79.0	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 3500	57.1	60.1	70.5	77.1	80.7	81.9	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	60.1	63.4	74.7	81.9	85.6	86.8	87.5	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	61.7	65.0	77.0	84.6	88.4	89.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	63.2	66.8	78.8	86.9	90.8	92.3	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	63.2	66.8	78.8	86.9	90.8	92.3	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	63.7	67.3	79.6	87.7	92.1	93.6	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	63.9	67.4	80.0	88.0	92.6	94.1	95.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	64.0	67.5	80.1	88.2	92.7	94.5	95.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	64.0	67.5	80.1	88.3	93.2	95.3	96.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	64.0	67.5	80.1	88.3	93.3	95.5	96.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	64.0	67.5	80.2	88.4	93.6	95.7	96.9	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	64.0	67.5	80.2	88.4	93.8	96.1	97.2	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	64.0	67.5	80.2	88.4	93.8	96.1	97.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 794

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.5	39.3	44.2	48.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 20000	41.7	44.5	50.6	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 18000	41.8	44.6	50.7	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 16000	41.8	44.6	50.7	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 14000	42.0	44.8	50.9	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	42.7	45.5	51.6	56.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	44.6	47.6	54.3	59.7	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 9000	45.1	48.1	54.9	60.3	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 8000	49.6	52.5	61.3	67.4	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	51.0	54.3	63.7	70.4	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 6000	52.7	56.0	65.5	72.8	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 5000	56.8	60.1	69.9	77.2	78.0	78.4	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 4500	58.0	61.3	71.7	79.0	80.2	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	63.1	66.4	77.5	85.1	86.5	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3500	64.3	67.6	79.3	87.4	88.7	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	67.1	70.5	82.6	91.1	92.4	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	67.7	71.3	84.1	92.9	94.5	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	68.5	72.0	85.1	93.9	95.8	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	68.9	72.5	85.6	94.3	96.3	96.9	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	69.3	73.1	86.6	95.4	97.5	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.3	73.1	86.6	95.4	97.8	98.4	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 672

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL

PERIOD OF RECORD: SEP 76 - AUG 91

LST TO UTC: - 1

MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.4	26.9	32.5	36.3	39.3	40.8	41.8	42.8	43.4	43.8	44.3	44.5	44.7	44.9	45.1	45.7
GE 20000	28.7	30.4	37.0	41.1	44.3	45.9	46.9	48.1	48.7	49.2	49.6	49.9	50.1	50.3	50.4	51.1
GE 18000	28.8	30.5	37.1	41.2	44.5	46.0	47.1	48.3	48.8	49.3	49.8	50.0	50.2	50.5	50.6	51.2
GE 16000	28.8	30.5	37.1	41.2	44.5	46.0	47.1	48.3	48.8	49.3	49.8	50.0	50.2	50.5	50.6	51.2
GE 14000	29.0	30.6	37.3	41.5	44.8	46.3	47.4	48.6	49.2	49.7	50.1	50.4	50.6	50.8	50.9	51.6
GE 12000	29.3	31.0	37.7	41.8	45.2	46.7	47.8	49.0	49.6	50.1	50.6	50.8	51.0	51.2	51.3	52.0
GE 10000	31.1	32.9	40.1	44.5	48.0	49.6	50.7	51.9	52.4	52.9	53.4	53.7	53.9	54.1	54.2	54.9
GE 9000	31.5	33.3	40.7	45.2	48.7	50.3	51.7	53.0	53.6	54.1	54.6	54.8	55.0	55.3	55.4	56.0
GE 8000	36.0	38.0	46.9	51.8	56.1	57.9	59.3	60.7	61.3	61.8	62.4	62.7	62.9	63.1	63.3	64.0
GE 7000	37.3	39.5	49.0	54.2	58.7	60.7	62.1	63.6	64.2	64.8	65.4	65.6	65.8	66.1	66.2	66.9
GE 6000	38.2	40.5	50.2	55.6	60.2	62.2	63.7	65.2	65.8	66.4	67.0	67.3	67.5	67.7	67.9	68.6
GE 5000	40.3	42.7	52.6	58.2	63.0	65.2	66.8	68.4	69.1	69.7	70.3	70.6	70.8	71.0	71.2	72.0
GE 4500	41.0	43.4	53.8	59.5	64.6	66.8	68.5	70.2	70.9	71.5	72.2	72.4	72.6	72.9	73.0	73.8
GE 4000	44.6	47.1	58.3	64.3	69.7	72.0	73.8	75.7	76.4	77.0	77.7	77.9	78.2	78.4	78.6	79.4
GE 3500	45.7	48.1	59.8	66.1	71.5	73.9	75.8	77.6	78.4	79.0	79.7	79.9	80.2	80.4	80.6	81.4
GE 3000	47.9	50.6	63.1	69.8	75.4	77.8	79.8	81.6	82.4	83.0	83.7	84.0	84.2	84.4	84.6	85.5
GE 2500	48.7	51.5	64.4	71.6	77.7	80.2	82.2	84.1	84.9	85.6	86.3	86.5	86.8	87.0	87.2	88.1
GE 2000	49.7	52.6	66.0	73.3	79.9	82.5	84.6	86.9	87.7	88.4	89.1	89.3	89.6	89.8	90.0	90.9
GE 1800	49.8	52.7	66.2	73.5	80.3	82.9	85.0	87.3	88.1	88.8	89.5	89.8	90.0	90.3	90.5	91.4
GE 1500	50.3	53.3	67.1	74.5	81.6	84.3	86.5	88.9	89.7	90.4	91.1	91.4	91.6	91.9	92.1	93.0
GE 1200	50.5	53.4	67.5	74.9	82.3	85.2	87.5	90.1	90.9	91.7	92.4	92.6	92.9	93.1	93.3	94.3
GE 1000	50.6	53.5	67.7	75.1	82.6	85.6	88.1	90.7	91.5	92.3	93.0	93.3	93.5	93.8	94.0	94.9
GE 900	50.6	53.5	67.7	75.2	82.8	85.9	88.5	91.2	92.2	93.0	93.7	94.0	94.2	94.5	94.7	95.7
GE 800	50.6	53.5	67.7	75.2	83.0	86.1	88.8	91.6	92.6	93.4	94.2	94.4	94.7	95.0	95.2	96.1
GE 700	50.6	53.5	67.8	75.3	83.2	86.4	89.1	92.2	93.3	94.3	95.1	95.4	95.6	95.9	96.1	97.1
GE 600	50.6	53.5	67.8	75.3	83.3	86.6	89.3	92.5	93.7	94.8	95.6	95.9	96.1	96.4	96.6	97.6
GE 500	50.6	53.5	67.8	75.3	83.3	86.7	89.5	92.9	94.1	95.3	96.1	96.4	96.6	96.9	97.1	98.1
GE 400	50.6	53.5	67.8	75.3	83.3	86.7	89.6	93.2	94.6	95.9	96.7	97.1	97.3	97.6	97.9	98.9
GE 300	50.6	53.5	67.8	75.3	83.3	86.7	89.6	93.2	94.7	95.9	96.8	97.2	97.4	97.7	98.0	99.1
GE 200	50.6	53.5	67.8	75.3	83.3	86.7	89.6	93.2	94.7	95.9	96.8	97.2	97.5	97.8	98.2	99.3
GE 100	50.6	53.5	67.8	75.3	83.3	86.7	89.6	93.2	94.7	95.9	96.8	97.2	97.5	97.9	98.2	99.7
GE 000	50.6	53.6	67.9	75.4	83.3	86.7	89.6	93.2	94.7	96.0	96.8	97.2	97.5	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2990



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.9	12.1	18.8	20.8	24.7	26.2	27.4	28.4	29.7	30.1	30.7	31.3	31.6	32.8	33.5	35.4
GE 20000	12.7	12.8	19.7	21.8	26.1	27.7	28.8	30.0	31.3	31.7	32.3	32.9	33.3	34.5	35.2	37.1
GE 18000	12.8	13.0	19.8	22.0	26.2	27.8	29.0	30.1	31.4	31.9	32.5	33.0	33.5	34.6	35.4	37.3
GE 16000	12.8	13.0	19.8	22.0	26.2	27.8	29.0	30.1	31.4	31.9	32.5	33.0	33.5	34.6	35.4	37.3
GE 14000	13.1	13.2	20.1	22.4	26.6	28.2	29.4	30.6	31.9	32.3	32.9	33.5	33.9	35.1	35.8	37.7
GE 12000	13.2	13.4	20.2	22.6	26.8	28.4	29.5	30.7	32.2	32.6	33.2	33.8	34.2	35.4	36.1	38.0
GE 10000	13.5	13.7	20.8	23.4	27.7	29.3	30.4	31.6	33.2	33.6	34.2	34.8	35.2	36.4	37.1	39.2
GE 9000	13.7	13.8	21.0	23.9	28.2	29.8	31.0	32.2	33.8	34.2	34.8	35.4	35.8	37.0	37.7	39.7
GE 8000	16.9	17.5	25.2	28.5	33.3	35.4	36.8	38.1	40.0	40.5	41.0	41.6	42.1	43.4	44.1	46.7
GE 7000	18.0	18.9	26.8	30.1	35.2	37.3	38.7	40.2	42.1	42.6	43.2	43.8	44.3	45.6	46.3	48.9
GE 6000	18.3	19.2	27.1	30.4	35.7	37.8	39.6	41.0	42.9	43.5	44.1	44.7	45.3	46.6	47.3	49.9
GE 5000	19.2	20.7	29.8	33.2	39.3	41.8	43.7	45.1	47.0	48.2	48.8	49.3	49.9	51.2	52.0	54.6
GE 4500	19.9	21.4	31.1	34.8	40.9	43.4	45.3	46.7	48.6	49.8	50.4	50.9	51.5	52.8	53.6	56.2
GE 4000	23.0	24.6	34.9	38.9	45.4	48.2	50.1	51.5	53.4	54.6	55.3	55.9	56.5	57.8	58.5	61.1
GE 3500	24.7	26.3	37.4	41.6	48.2	50.9	53.0	54.4	56.3	57.5	58.2	58.8	59.4	60.7	61.4	64.2
GE 3000	27.2	29.0	40.2	44.5	51.2	54.3	56.5	58.2	60.3	61.4	62.2	62.7	63.3	64.6	65.4	68.3
GE 2500	27.8	29.5	41.5	46.1	53.6	56.6	59.0	60.7	62.7	63.9	64.6	65.2	65.8	67.1	67.8	70.7
GE 2000	28.7	30.4	43.7	48.8	56.9	60.0	62.4	64.8	67.1	68.4	69.1	69.7	70.3	71.6	72.3	75.4
GE 1800	28.8	30.6	44.3	49.3	57.5	60.6	63.0	65.4	67.7	69.1	69.9	70.5	71.0	72.3	73.1	76.1
GE 1500	29.5	31.3	45.1	50.2	58.7	62.2	65.1	67.4	69.9	71.8	72.5	73.1	73.7	75.0	75.7	78.7
GE 1200	29.5	31.3	45.6	50.8	60.0	63.6	66.8	69.6	72.2	74.2	75.1	75.7	76.3	77.6	78.3	81.4
GE 1000	29.5	31.3	46.1	51.4	60.6	64.6	68.4	71.3	73.9	76.0	76.9	77.4	78.0	79.3	80.1	83.1
GE 900	29.5	31.3	46.1	51.4	60.7	65.1	69.0	72.1	75.0	77.0	78.0	78.6	79.2	80.5	81.2	84.3
GE 800	29.5	31.3	46.1	51.4	61.6	65.9	69.9	72.9	76.1	78.2	79.2	79.8	80.3	81.7	82.4	85.4
GE 700	29.5	31.3	46.1	51.4	61.6	66.2	70.5	73.5	76.7	78.7	79.8	80.3	80.9	82.2	83.0	86.0
GE 600	29.5	31.3	46.1	51.4	61.6	66.4	70.7	73.8	77.3	79.3	80.3	80.9	81.5	83.1	83.8	86.9
GE 500	29.5	31.3	46.1	51.4	61.7	66.7	71.2	74.4	78.0	80.1	81.1	81.7	82.2	83.8	84.6	87.8
GE 400	29.5	31.3	46.1	51.4	61.7	66.7	71.6	74.8	78.5	80.6	81.8	82.7	83.3	85.2	86.0	89.7
GE 300	29.5	31.3	46.1	51.4	61.7	66.7	71.6	75.3	78.9	81.2	83.1	84.7	85.3	87.2	88.1	92.4
GE 200	29.5	31.3	46.1	51.4	61.7	66.7	71.8	75.4	79.0	81.7	83.8	85.7	86.3	88.4	89.5	95.9
GE 100	29.5	31.3	46.1	51.4	61.7	66.7	71.8	75.4	79.0	81.7	83.8	85.7	86.3	88.4	89.8	98.5
GE 000	29.5	31.3	46.1	51.4	61.7	66.7	71.8	75.4	79.0	81.7	83.8	85.7	86.3	88.4	89.8	100.0

TOTAL NUMBER OF OBSERVATIONS 68/

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.2	19.1	24.2	26.4	30.3	31.6	32.6	33.8	34.0	34.2	34.4	34.5	34.5	34.7	34.7	35.2
GE 20000	19.8	21.0	26.8	29.4	33.8	35.3	36.6	37.9	38.2	38.3	38.6	38.7	38.7	38.8	38.8	39.3
GE 18000	19.8	21.0	26.8	29.4	33.8	35.3	36.6	37.9	38.2	38.3	38.6	38.7	38.7	38.8	38.8	39.3
GE 16000	19.8	21.0	26.9	29.5	33.9	35.4	36.7	38.0	38.3	38.4	38.7	38.8	38.8	38.9	38.9	39.5
GE 14000	19.9	21.1	27.0	29.6	34.0	35.6	36.9	38.2	38.4	38.6	38.8	38.9	38.9	39.1	39.1	39.6
GE 12000	20.6	21.7	27.7	30.3	34.8	36.5	37.9	39.2	39.5	39.6	39.8	40.0	40.0	40.1	40.1	40.6
GE 10000	21.7	23.0	30.0	32.7	37.6	39.3	40.8	42.0	42.3	42.4	42.7	42.9	42.9	43.1	43.1	43.6
GE 9000	22.8	24.2	31.3	34.3	39.2	41.0	42.4	43.9	44.1	44.2	44.5	44.8	44.8	44.9	44.9	45.4
GE 8000	26.1	27.9	35.4	39.2	45.0	47.5	49.0	50.5	50.7	50.8	51.2	51.5	51.6	51.7	51.7	52.3
GE 7000	27.7	29.5	37.5	41.3	47.1	49.5	51.1	52.5	52.8	52.9	53.3	53.6	53.7	53.8	53.8	54.3
GE 6000	27.8	29.6	37.8	41.7	47.6	50.1	51.6	53.0	53.3	53.4	53.8	54.1	54.2	54.3	54.3	54.9
GE 5000	29.2	31.0	40.6	44.9	51.4	53.8	55.8	57.3	57.6	57.7	58.1	58.5	58.6	58.7	58.7	59.2
GE 4500	29.9	31.8	41.5	45.9	52.4	54.9	56.8	58.3	58.6	58.7	59.1	59.5	59.6	59.8	59.8	60.3
GE 4000	31.6	33.8	44.4	49.0	55.8	58.2	60.4	62.0	62.2	62.4	62.7	63.1	63.3	63.5	63.5	64.2
GE 3500	32.9	35.1	46.2	51.0	57.8	60.4	62.7	64.3	64.6	64.7	65.2	65.6	65.7	66.0	66.0	66.6
GE 3000	34.3	36.7	48.1	52.9	60.0	62.7	65.3	67.3	67.9	68.2	68.7	69.1	69.2	69.5	69.5	70.1
GE 2500	35.1	37.5	49.5	54.6	62.1	64.8	67.5	69.9	70.5	70.8	71.3	71.7	71.8	72.2	72.2	72.8
GE 2000	37.5	40.1	52.7	57.8	65.5	68.3	71.0	74.3	75.0	75.3	75.8	76.2	76.3	76.7	76.7	77.4
GE 1800	38.0	40.6	53.6	58.7	66.5	69.3	72.1	75.3	76.1	76.3	76.8	77.2	77.4	77.7	77.7	78.4
GE 1500	38.7	41.3	54.6	59.9	68.2	71.0	74.0	77.2	78.0	78.3	78.8	79.2	79.3	79.7	79.7	80.3
GE 1200	38.9	41.5	55.1	60.5	70.0	73.4	76.7	80.1	81.1	81.4	81.9	82.3	82.4	82.8	82.8	83.4
GE 1000	39.1	41.7	55.5	61.1	70.9	74.8	78.3	81.8	82.8	83.3	83.8	84.2	84.3	84.7	84.7	85.4
GE 900	39.1	41.7	55.5	61.2	71.8	75.9	79.4	82.9	84.0	84.6	85.1	85.5	85.8	86.2	86.2	86.8
GE 800	39.1	41.7	55.5	61.2	72.1	76.2	80.3	84.0	85.5	86.2	86.8	87.2	87.7	88.1	88.1	88.7
GE 700	39.1	41.7	55.5	61.3	72.2	76.3	81.1	84.9	86.7	87.5	88.1	88.5	89.0	89.5	89.5	90.2
GE 600	39.1	41.7	55.5	61.3	72.3	76.5	81.4	85.5	87.6	88.4	89.1	89.5	90.0	90.6	90.6	91.2
GE 500	39.1	41.7	55.5	61.3	72.3	76.7	82.1	86.7	89.3	90.2	91.1	91.5	92.1	92.6	92.8	93.4
GE 400	39.1	41.7	55.5	61.3	72.3	76.7	82.3	87.1	89.8	91.3	92.5	93.1	94.0	94.6	94.7	95.7
GE 300	39.1	41.7	55.5	61.3	72.3	76.7	82.3	87.1	89.9	91.5	93.0	93.8	94.8	96.0	96.2	98.3
GE 200	39.1	41.7	55.5	61.3	72.3	76.7	82.3	87.1	89.9	91.6	93.1	93.9	95.0	96.2	96.5	99.4
GE 100	39.1	41.7	55.5	61.3	72.3	76.7	82.3	87.1	89.9	91.6	93.1	93.9	95.0	96.2	96.5	99.7
GE 000	39.1	41.7	55.5	61.3	72.3	76.7	82.3	87.1	89.9	91.6	93.1	93.9	95.0	96.2	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 773

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.3	25.3	30.7	33.9	36.3	37.4	38.0	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 20000	28.2	29.4	35.7	39.2	41.9	43.1	43.8	43.9	44.1	44.4	44.4	44.5	44.5	44.5	44.5	44.5
GE 18000	28.7	29.9	36.3	39.8	42.5	43.8	44.4	44.5	44.8	45.0	45.0	45.1	45.1	45.1	45.1	45.1
GE 16000	28.7	29.9	36.3	39.8	42.5	43.8	44.4	44.5	44.8	45.0	45.0	45.1	45.1	45.1	45.1	45.1
GE 14000	28.9	30.2	36.5	40.0	42.8	44.0	44.6	44.8	45.0	45.3	45.3	45.4	45.4	45.4	45.4	45.4
GE 12000	29.6	30.8	37.2	40.8	43.6	44.9	45.5	45.6	45.9	46.1	46.1	46.3	46.3	46.3	46.3	46.3
GE 10000	31.4	32.8	39.4	43.0	45.9	47.1	47.8	47.9	48.1	48.4	48.4	48.5	48.5	48.5	48.5	48.5
GE 9000	33.0	34.5	41.4	45.0	47.9	49.1	49.8	49.9	50.1	50.4	50.4	50.5	50.5	50.5	50.5	50.5
GE 8000	37.5	39.4	46.6	50.6	54.1	55.6	56.4	56.6	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.2
GE 7000	39.2	41.0	48.3	52.4	55.9	57.4	58.2	58.5	58.7	59.0	59.0	59.1	59.1	59.1	59.1	59.1
GE 6000	39.5	41.4	48.8	52.9	56.5	58.0	58.9	59.1	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7
GE 5000	40.6	42.6	50.9	55.1	59.1	60.6	61.5	61.8	62.1	62.3	62.3	62.5	62.5	62.5	62.5	62.5
GE 4500	41.9	43.9	52.4	56.9	61.0	62.5	63.3	63.7	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3
GE 4000	44.5	46.8	55.5	60.0	64.5	66.0	67.0	67.3	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0
GE 3500	45.5	47.9	56.9	61.7	66.8	68.3	69.3	69.7	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3
GE 3000	49.3	52.0	62.1	67.7	73.4	75.2	76.3	76.8	77.1	77.4	77.4	77.6	77.6	77.6	77.6	77.6
GE 2500	50.5	53.2	63.7	69.6	75.6	77.6	78.8	79.4	79.7	80.0	80.0	80.2	80.2	80.2	80.2	80.2
GE 2000	52.6	55.4	66.7	72.9	79.7	81.8	83.7	84.4	84.8	85.2	85.2	85.3	85.3	85.3	85.3	85.3
GE 1800	52.9	55.6	67.2	73.4	80.3	82.5	84.4	85.2	85.5	85.9	85.9	86.0	86.0	86.0	86.0	86.0
GE 1500	53.4	56.1	68.3	74.8	82.7	85.0	87.3	88.2	88.5	88.9	88.9	89.0	89.0	89.0	89.0	89.0
GE 1200	53.4	56.1	68.5	75.3	83.8	86.9	89.4	90.3	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.4
GE 1000	53.4	56.1	68.6	75.6	84.4	88.0	90.9	91.9	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1
GE 900	53.4	56.1	68.6	75.7	85.2	88.8	91.8	93.3	94.1	94.6	94.6	94.8	94.8	94.8	94.8	94.8
GE 800	53.4	56.1	68.6	75.7	85.4	89.0	92.3	94.3	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8
GE 700	53.4	56.1	68.6	75.7	85.5	89.2	92.8	94.9	95.8	96.6	96.6	96.8	96.8	96.8	96.8	96.8
GE 600	53.4	56.1	68.6	75.7	85.9	89.5	93.1	95.5	96.5	97.4	97.5	97.6	97.6	97.6	97.6	97.6
GE 500	53.4	56.1	68.6	75.9	85.9	89.5	93.1	95.5	96.6	97.6	97.9	98.0	98.1	98.1	98.1	98.1
GE 400	53.4	56.1	68.6	75.9	85.9	89.5	93.3	95.6	96.9	97.9	98.5	98.8	99.1	99.1	99.1	99.1
GE 300	53.4	56.1	68.6	75.9	85.9	89.5	93.3	95.6	96.9	97.9	98.5	98.8	99.3	99.3	99.3	99.4
GE 200	53.4	56.1	68.6	75.9	85.9	89.5	93.3	95.6	96.9	97.9	98.5	98.8	99.3	99.5	99.5	99.8
GE 100	53.4	56.1	68.6	75.9	85.9	89.5	93.3	95.6	96.9	97.9	98.5	98.8	99.3	99.5	99.5	99.8
GE 000	53.4	56.1	68.6	76.1	86.2	89.8	93.5	95.9	97.1	98.1	98.8	99.0	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 802

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.5	31.1	36.7	38.5	40.4	42.2	42.7	43.3	43.5	43.7	43.7	43.7	43.7	43.7	43.8	43.8
GE 20000	34.4	36.6	42.9	45.6	47.6	49.4	49.9	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.3	51.3
GE 18000	34.6	36.7	43.0	45.7	47.7	49.5	50.0	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.4	51.4
GE 16000	34.6	36.7	43.0	45.7	47.7	49.5	50.0	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.4	51.4
GE 14000	35.3	37.5	44.2	46.8	48.9	50.6	51.1	52.0	52.3	52.4	52.4	52.4	52.4	52.4	52.5	52.5
GE 12000	35.9	38.4	45.2	48.0	50.3	52.0	52.5	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.9	53.9
GE 10000	37.6	40.0	47.0	49.7	52.0	53.8	54.3	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 9000	39.1	41.8	48.7	51.5	53.9	55.7	56.2	57.2	57.5	57.6	57.6	57.6	57.6	57.6	57.7	57.7
GE 8000	42.2	45.2	53.0	56.6	59.1	61.0	61.5	62.5	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0
GE 7000	43.9	47.0	54.8	58.6	61.1	63.0	63.5	64.6	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1
GE 6000	44.4	47.5	55.4	59.5	62.0	63.9	64.4	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
GE 5000	46.3	49.5	58.2	62.4	65.1	67.0	67.5	68.5	68.7	68.9	68.9	68.9	68.9	68.9	69.0	69.0
GE 4500	47.1	50.3	59.0	63.4	66.1	68.0	68.7	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.3	70.3
GE 4000	50.4	53.7	63.3	68.0	70.6	72.5	73.4	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 3500	53.3	57.0	66.8	71.6	74.4	76.3	77.3	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.9	78.9
GE 3000	55.8	59.7	70.4	76.1	79.6	81.8	83.0	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.6	84.6
GE 2500	56.8	60.9	71.6	77.5	81.4	83.7	84.9	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.5	86.5
GE 2000	58.4	62.4	73.4	79.2	84.3	86.7	88.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.4	90.4
GE 1800	58.6	62.7	73.7	79.5	84.7	87.2	89.2	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.9	90.9
GE 1500	59.5	63.5	75.2	81.0	86.5	89.1	91.1	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.2	93.2
GE 1200	59.6	63.7	75.4	81.6	87.7	90.4	93.0	94.6	94.9	95.4	95.4	95.4	95.4	95.4	95.6	95.6
GE 1000	59.6	63.7	75.4	81.9	88.0	90.8	93.8	95.7	96.3	96.8	96.8	96.8	96.8	96.8	97.0	97.0
GE 900	59.6	63.7	75.4	81.9	88.4	91.1	94.2	96.2	96.8	97.3	97.3	97.3	97.3	97.3	97.5	97.5
GE 800	59.6	63.7	75.4	81.9	88.5	91.3	94.3	96.5	97.2	98.0	98.0	98.0	98.0	98.0	98.1	98.1
GE 700	59.6	63.7	75.6	82.2	88.7	91.5	94.6	96.7	97.6	98.5	98.6	98.6	98.6	98.6	98.7	98.7
GE 600	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	97.7	98.6	98.7	98.7	98.7	98.7	98.9	98.9
GE 500	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	97.8	98.9	99.2	99.2	99.2	99.2	99.4	99.4
GE 400	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	98.0	99.0	99.5	99.5	99.5	99.5	99.7	99.9
GE 300	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	98.0	99.0	99.5	99.5	99.5	99.5	99.7	99.9
GE 200	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	98.0	99.0	99.5	99.5	99.5	99.5	99.7	99.9
GE 100	59.6	63.7	75.6	82.2	88.7	91.5	94.7	96.8	98.0	99.0	99.5	99.5	99.5	99.5	99.7	99.9
GE 000	59.6	63.7	75.7	82.3	88.9	91.6	94.8	97.0	98.1	99.1	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.3	22.3	27.9	30.2	33.2	34.6	35.5	36.2	36.7	36.9	37.1	37.2	37.3	37.6	37.8	38.3
GE 20000	24.2	25.4	31.7	34.4	37.7	39.3	40.2	41.0	41.5	41.7	41.9	42.1	42.2	42.5	42.7	43.3
GE 18000	24.4	25.6	31.9	34.7	38.0	39.5	40.4	41.3	41.7	42.0	42.2	42.4	42.5	42.8	43.0	43.5
GE 16000	24.4	25.6	31.9	34.7	38.0	39.5	40.4	41.3	41.8	42.0	42.2	42.4	42.5	42.8	43.0	43.5
GE 14000	24.7	26.0	32.4	35.2	38.5	40.0	40.9	41.8	42.3	42.5	42.7	42.9	43.0	43.3	43.5	44.0
GE 12000	25.3	26.5	33.0	35.9	39.3	40.9	41.8	42.7	43.2	43.4	43.6	43.8	43.9	44.2	44.4	45.0
GE 10000	26.5	27.9	34.8	37.7	41.3	42.9	43.8	44.7	45.2	45.4	45.6	45.9	46.0	46.3	46.5	47.1
GE 9000	27.7	29.1	36.1	39.2	42.8	44.4	45.3	46.3	46.8	47.1	47.2	47.5	47.6	47.9	48.1	48.7
GE 8000	31.2	33.1	40.6	44.3	48.4	50.4	51.4	52.4	53.0	53.3	53.5	53.7	53.9	54.2	54.4	55.1
GE 7000	32.7	34.7	42.4	46.2	50.4	52.3	53.4	54.4	55.0	55.3	55.5	55.8	55.9	56.2	56.4	57.1
GE 6000	33.1	35.0	42.8	46.7	51.0	53.0	54.1	55.1	55.8	56.0	56.3	56.5	56.7	57.0	57.2	57.9
GE 5000	34.4	36.5	45.4	49.5	54.2	56.3	57.6	58.7	59.3	59.7	59.9	60.2	60.3	60.6	60.8	61.6
GE 4500	35.3	37.4	46.6	50.8	55.6	57.7	59.0	60.1	60.7	61.1	61.3	61.6	61.8	62.1	62.3	63.0
GE 4000	37.9	40.3	50.1	54.5	59.6	61.7	63.2	64.3	64.9	65.3	65.5	65.8	66.0	66.3	66.5	67.3
GE 3500	39.6	42.1	52.4	57.0	62.3	64.5	66.1	67.1	67.8	68.2	68.4	68.7	68.9	69.2	69.4	70.2
GE 3000	42.2	45.0	55.8	60.9	66.6	69.0	70.8	72.1	72.8	73.3	73.6	73.9	74.0	74.4	74.6	75.4
GE 2500	43.1	45.9	57.2	62.5	68.7	71.2	73.1	74.5	75.2	75.7	76.0	76.2	76.4	76.8	77.0	77.8
GE 2000	44.9	47.7	59.7	65.3	72.1	74.7	77.0	78.8	79.7	80.2	80.5	80.8	80.9	81.3	81.5	82.4
GE 1800	45.2	48.0	60.3	65.9	72.8	75.5	77.7	79.5	80.4	81.0	81.3	81.5	81.7	82.1	82.3	83.1
GE 1500	45.9	48.7	61.4	67.1	74.6	77.4	79.9	81.8	82.7	83.4	83.7	84.0	84.1	84.5	84.7	85.6
GE 1200	46.0	48.8	61.7	67.7	76.0	79.1	82.0	84.1	85.3	86.0	86.3	86.6	86.8	87.2	87.4	88.2
GE 1000	46.0	48.8	62.0	68.1	76.5	80.1	83.4	85.7	86.9	87.7	88.0	88.3	88.5	88.9	89.1	89.9
GE 900	46.0	48.8	62.0	68.2	77.1	80.8	84.1	86.6	87.9	88.8	89.2	89.4	89.6	90.0	90.2	91.1
GE 800	46.0	48.8	62.0	68.2	77.5	81.2	84.7	87.4	89.0	89.9	90.3	90.6	90.8	91.2	91.4	92.3
GE 700	46.0	48.8	62.0	68.3	77.6	81.4	85.3	88.0	89.6	90.8	91.2	91.4	91.7	92.1	92.3	93.2
GE 600	46.0	48.8	62.0	68.3	77.7	81.5	85.5	88.4	90.2	91.3	91.8	92.1	92.4	92.9	93.1	93.9
GE 500	46.0	48.8	62.0	68.3	77.8	81.7	85.8	88.9	90.9	92.1	92.7	93.0	93.3	93.8	94.0	94.9
GE 400	46.0	48.8	62.0	68.3	77.8	81.7	86.0	89.1	91.2	92.6	93.5	93.9	94.4	94.9	95.2	96.3
GE 300	46.0	48.8	62.0	68.3	77.8	81.7	86.0	89.2	91.3	92.8	93.9	94.5	95.1	95.8	96.1	97.7
GE 200	46.0	48.8	62.0	68.3	77.8	81.7	86.0	89.2	91.4	92.9	94.1	94.8	95.3	96.2	96.6	98.8
GE 100	46.0	48.8	62.0	68.3	77.8	81.7	86.0	89.2	91.4	92.9	94.1	94.8	95.3	96.2	96.6	99.5
GE 000	46.0	48.8	62.1	68.4	77.9	81.7	86.1	89.3	91.5	93.0	94.2	94.9	95.4	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3052

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.6	12.1	15.5	16.6	20.0	20.8	21.2	22.0	22.2	23.2	23.4	23.4	23.4	23.4	23.5	25.3
GE 20000	12.5	13.0	16.6	17.9	21.5	22.7	23.4	24.6	24.7	25.8	25.9	25.9	25.9	26.1	26.3	28.3
GE 18000	12.5	13.0	16.6	17.9	21.5	22.9	23.5	24.7	24.9	25.9	26.1	26.1	26.1	26.3	26.5	28.5
GE 16000	12.5	13.0	16.6	17.9	21.5	22.9	23.5	24.7	24.9	25.9	26.1	26.1	26.1	26.3	26.5	28.5
GE 14000	12.5	13.0	16.6	17.9	21.5	22.9	23.5	24.7	24.9	25.9	26.1	26.1	26.1	26.3	26.5	28.5
GE 12000	12.5	13.0	16.6	17.9	21.5	23.0	23.7	24.9	25.1	26.1	26.3	26.3	26.3	26.5	26.6	28.7
GE 10000	13.0	13.5	17.1	18.4	22.2	23.7	24.4	25.6	25.8	26.8	27.0	27.0	27.0	27.1	27.3	29.4
GE 9000	13.1	13.7	17.2	18.6	22.4	23.9	24.6	25.8	25.9	27.0	27.1	27.1	27.1	27.3	27.5	29.5
GE 8000	14.2	14.8	19.6	21.3	25.1	26.6	27.5	28.8	29.0	30.0	30.2	30.2	30.2	30.4	30.5	32.6
GE 7000	16.2	17.2	22.4	24.4	28.3	29.9	30.7	32.4	32.6	33.6	33.8	33.8	33.8	34.0	34.1	36.2
GE 6000	16.6	17.6	22.9	24.9	28.8	30.5	31.4	33.1	33.3	34.3	34.5	34.5	34.5	34.6	34.8	36.9
GE 5000	17.7	18.8	24.2	26.3	30.4	32.3	33.1	34.8	35.0	36.0	36.2	36.2	36.2	36.3	36.5	38.6
GE 4500	19.5	20.6	26.3	28.5	32.6	34.5	35.3	37.0	37.2	38.2	38.4	38.4	38.4	38.6	38.7	40.8
GE 4000	23.2	24.6	31.4	34.1	39.1	41.6	42.7	45.1	45.2	46.2	46.4	46.4	46.4	46.6	46.8	48.8
GE 3500	24.6	26.1	33.1	35.8	40.8	43.3	44.5	46.9	47.1	48.1	48.3	48.3	48.3	48.5	48.6	50.7
GE 3000	27.1	28.8	36.7	39.6	46.4	50.0	51.7	54.1	54.3	55.3	55.5	55.5	55.5	55.6	55.8	57.8
GE 2500	29.0	30.9	39.4	42.5	50.0	54.1	55.8	58.2	58.5	59.6	59.7	59.7	59.7	59.9	60.1	62.1
GE 2000	31.4	33.3	42.3	45.7	54.6	58.9	61.1	63.7	64.2	65.4	65.5	65.5	65.5	65.7	66.0	68.1
GE 1800	31.9	33.8	43.2	46.6	55.6	59.9	62.1	64.8	65.5	66.7	66.9	66.9	66.9	67.1	67.4	69.5
GE 1500	33.4	35.7	45.9	49.5	59.6	64.3	67.1	70.0	70.6	71.8	72.0	72.0	72.0	72.2	72.5	74.6
GE 1200	33.8	36.0	46.4	50.0	61.4	66.6	69.8	72.9	73.7	75.1	75.3	75.3	75.3	75.4	75.8	77.8
GE 1000	33.8	36.0	46.9	50.7	62.8	68.4	71.8	75.1	76.1	77.8	78.0	78.0	78.0	78.2	78.5	80.5
GE 900	33.8	36.0	46.9	50.7	64.0	70.3	74.1	77.5	78.5	80.2	80.4	80.4	80.5	80.7	81.1	83.1
GE 800	34.0	36.2	47.6	51.4	65.2	72.2	77.0	81.2	82.3	84.0	84.1	84.1	84.3	84.5	84.8	86.9
GE 700	34.0	36.2	47.6	51.4	65.5	72.5	78.2	82.6	83.8	85.5	85.7	85.7	85.8	86.0	86.3	88.4
GE 600	34.0	36.2	47.6	51.4	65.9	72.9	78.7	83.6	85.2	86.9	87.0	87.0	87.2	87.4	87.7	89.8
GE 500	34.0	36.2	47.6	51.4	65.9	72.9	79.2	85.0	86.9	88.9	89.1	89.1	89.2	89.4	89.8	91.8
GE 400	34.0	36.2	47.6	51.4	65.9	72.9	79.4	85.5	87.5	90.3	90.6	90.8	91.0	91.1	91.5	93.5
GE 300	34.0	36.2	47.6	51.4	65.9	72.9	79.4	85.7	87.7	91.1	91.6	91.8	92.0	92.2	92.7	94.9
GE 200	34.0	36.2	47.6	51.4	65.9	72.9	79.4	85.7	87.7	91.1	91.8	92.0	92.5	93.0	93.9	96.9
GE 100	34.0	36.2	47.6	51.4	65.9	72.9	79.4	85.7	87.7	91.1	91.8	92.0	92.5	93.5	94.5	99.7
GE 000	34.0	36.2	47.6	51.4	65.9	72.9	79.4	85.7	87.7	91.1	91.8	92.0	92.5	93.7	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.5	12.5	15.8	16.5	19.1	21.0	21.4	22.0	22.4	23.2	23.5	23.8	24.0	24.2	24.6	25.1
GE 20000	14.1	14.3	17.7	18.5	22.0	24.3	25.0	25.8	26.2	27.1	27.3	27.6	27.9	28.0	28.4	29.0
GE 18000	14.4	14.6	18.3	19.1	22.8	25.1	25.8	26.6	27.1	27.9	28.2	28.4	28.7	28.8	29.3	29.8
GE 16000	14.4	14.6	18.3	19.1	22.8	25.1	25.8	26.6	27.1	27.9	28.2	28.4	28.7	28.8	29.3	29.8
GE 14000	14.4	14.6	18.3	19.1	22.8	25.1	25.8	26.6	27.1	27.9	28.2	28.4	28.7	28.8	29.3	29.8
GE 12000	14.6	14.7	18.4	19.2	22.9	25.3	26.0	26.8	27.2	28.0	28.3	28.6	28.8	29.0	29.4	29.9
GE 10000	15.5	15.7	19.6	20.5	24.2	26.5	27.2	28.3	28.7	29.5	29.8	30.1	30.4	30.5	30.9	31.5
GE 9000	16.3	16.6	20.7	21.7	25.4	27.9	28.6	29.7	30.1	30.9	31.2	31.5	31.7	31.9	32.3	32.8
GE 8000	18.5	19.2	23.5	24.6	28.3	30.9	31.6	33.1	33.5	34.3	34.6	34.9	35.2	35.3	35.7	36.3
GE 7000	20.7	21.4	26.8	27.9	31.7	34.5	35.2	36.7	37.1	37.9	38.2	38.5	38.7	38.9	39.3	39.8
GE 6000	20.9	21.6	26.9	28.0	31.9	34.6	35.3	36.8	37.7	38.0	38.3	38.6	38.9	39.0	39.4	40.0
GE 5000	22.5	23.2	29.1	30.2	34.1	37.0	37.6	39.1	39.6	40.4	40.7	40.9	41.2	41.3	41.8	42.3
GE 4500	23.5	24.2	30.8	31.9	35.7	38.6	39.3	40.8	41.2	42.0	42.3	42.6	42.9	43.0	43.4	44.0
GE 4000	26.1	26.9	34.2	36.1	40.7	43.7	44.5	46.8	47.3	48.4	48.9	49.3	49.6	49.7	50.1	50.7
GE 3500	27.3	28.3	35.9	37.9	42.9	46.2	47.0	49.3	49.7	50.8	51.4	51.8	52.1	52.2	52.6	53.2
GE 3000	29.9	31.0	39.6	42.2	48.4	51.9	53.2	55.6	56.0	57.1	57.7	58.1	58.4	58.5	58.9	59.5
GE 2500	31.3	32.4	41.3	44.1	50.7	54.9	56.7	59.3	59.8	60.9	61.4	61.8	62.1	62.2	62.6	63.2
GE 2000	33.1	34.2	43.8	47.3	55.8	60.4	62.6	65.7	66.1	67.2	67.7	68.1	68.4	68.5	69.0	69.5
GE 1800	33.5	34.6	44.4	47.8	56.3	61.0	63.2	66.2	66.6	67.7	68.3	68.7	69.0	69.1	69.5	70.1
GE 1500	34.8	35.9	46.3	50.1	59.1	64.1	66.6	69.8	70.2	71.4	72.1	72.5	72.8	72.9	73.4	73.9
GE 1200	35.6	36.7	47.8	52.1	62.4	68.3	70.9	74.2	74.7	76.0	76.6	77.1	77.3	77.5	77.9	78.4
GE 1000	35.7	36.8	48.2	52.6	64.1	70.5	73.6	76.9	77.5	78.7	79.7	80.1	80.4	80.5	80.9	81.5
GE 900	35.7	36.8	48.2	52.9	65.0	71.7	75.1	78.4	79.0	80.2	81.3	81.9	82.1	82.3	82.7	83.2
GE 800	35.9	37.0	48.4	53.2	65.2	72.1	76.8	80.5	81.0	82.3	83.4	83.9	84.2	84.3	84.8	85.3
GE 700	35.9	37.0	48.4	53.2	65.4	73.2	78.8	83.8	84.8	86.0	87.1	87.8	88.0	88.2	88.6	89.1
GE 600	35.9	37.0	48.4	53.2	65.4	73.9	80.2	85.7	87.1	88.5	89.6	90.2	90.5	90.7	91.1	91.6
GE 500	35.9	37.0	48.4	53.2	65.4	74.2	81.0	87.2	88.9	90.2	91.5	92.2	92.7	92.9	93.3	93.8
GE 400	35.9	37.0	48.4	53.2	65.4	74.3	81.2	87.4	90.5	92.4	93.8	94.6	95.2	95.3	95.7	96.3
GE 300	35.9	37.0	48.4	53.2	65.4	74.3	81.2	87.4	90.7	92.6	94.2	95.2	95.7	96.2	96.6	97.1
GE 200	35.9	37.0	48.4	53.2	65.4	74.3	81.2	87.4	90.8	92.7	94.4	95.5	96.2	96.7	97.1	98.4
GE 100	35.9	37.0	48.4	53.2	65.4	74.3	81.2	87.4	90.8	92.7	94.4	95.5	96.2	97.1	97.7	100.0
GE 000	35.9	37.0	48.4	53.2	65.4	74.3	81.2	87.4	90.8	92.7	94.4	95.5	96.2	97.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 728

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.5	14.1	16.7	18.7	21.3	22.7	23.1	23.5	23.6	24.0	24.4	24.4	24.5	24.5	24.7	24.7
GE 20000	15.7	16.4	19.9	22.1	25.9	27.6	28.0	28.4	28.5	28.9	29.3	29.3	29.5	29.5	29.6	29.6
GE 18000	16.1	16.8	20.3	22.5	26.8	28.7	29.1	29.5	29.6	30.0	30.4	30.4	30.5	30.5	30.7	30.7
GE 16000	16.1	16.8	20.3	22.5	26.8	28.7	29.1	29.5	29.6	30.0	30.4	30.4	30.5	30.5	30.7	30.7
GE 14000	16.1	16.8	20.3	22.5	26.8	28.7	29.1	29.5	29.6	30.0	30.4	30.4	30.5	30.5	30.7	30.7
GE 12000	16.4	17.2	20.7	23.2	27.5	29.3	29.7	30.1	30.3	30.7	31.1	31.1	31.2	31.2	31.3	31.3
GE 10000	18.0	18.8	22.5	25.2	29.6	31.5	32.1	32.8	32.9	33.3	33.7	33.7	33.9	33.9	34.0	34.0
GE 9000	18.4	19.2	22.9	25.7	30.3	32.1	32.8	33.5	33.6	34.0	34.4	34.4	34.5	34.5	34.7	34.7
GE 8000	22.1	23.5	27.7	30.9	35.7	37.6	38.7	39.3	39.5	39.9	40.3	40.3	40.4	40.4	40.5	40.5
GE 7000	24.5	25.9	30.1	33.6	38.8	40.7	41.7	42.4	42.5	42.9	43.3	43.3	43.5	43.5	43.6	43.6
GE 6000	24.5	25.9	30.1	33.6	38.8	40.7	41.7	42.4	42.5	42.9	43.3	43.3	43.5	43.5	43.6	43.6
GE 5000	26.0	27.3	31.9	35.6	40.9	43.2	44.3	44.9	45.1	45.5	45.9	45.9	46.0	46.0	46.1	46.1
GE 4500	27.6	28.9	33.6	37.5	42.8	45.1	46.1	46.8	46.9	47.3	47.7	47.7	47.9	47.9	48.0	48.0
GE 4000	30.4	31.9	37.3	42.0	47.6	50.4	51.9	52.5	52.7	53.3	53.7	53.7	54.0	54.0	54.1	54.1
GE 3500	31.7	33.5	39.1	44.1	50.0	52.8	54.5	55.2	55.3	56.0	56.4	56.4	56.7	56.7	56.8	56.8
GE 3000	36.1	38.0	45.2	51.2	58.0	61.2	63.2	64.0	64.1	64.8	65.2	65.2	65.6	65.6	65.7	65.7
GE 2500	37.5	39.3	46.8	53.1	60.1	63.3	65.6	66.4	66.7	67.5	67.9	67.9	68.3	68.3	68.4	68.4
GE 2000	40.0	41.9	49.9	56.9	64.3	67.9	71.1	72.0	72.3	73.1	73.5	73.5	73.9	73.9	74.0	74.0
GE 1800	40.5	42.7	50.9	58.0	65.3	68.9	72.1	73.1	73.3	74.3	74.7	74.7	75.1	75.1	75.2	75.2
GE 1500	42.0	44.3	52.5	59.6	67.6	71.7	75.2	76.4	77.1	78.5	78.9	78.9	79.3	79.3	79.5	79.5
GE 1200	43.3	45.7	54.7	62.5	71.6	76.4	80.1	81.3	82.0	83.5	83.9	83.9	84.3	84.3	84.4	84.4
GE 1000	43.7	46.1	55.2	63.1	73.7	78.9	82.8	84.0	84.7	86.3	86.7	86.7	87.1	87.1	87.2	87.2
GE 900	43.7	46.1	55.2	63.5	74.1	80.1	84.1	85.6	86.3	87.9	88.3	88.3	88.7	88.7	88.8	88.8
GE 800	43.7	46.1	55.2	63.6	74.8	81.1	85.5	87.6	88.4	90.1	90.7	90.7	91.1	91.1	91.2	91.2
GE 700	43.7	46.1	55.2	63.6	75.5	82.7	87.6	89.9	90.7	92.4	92.9	93.2	93.6	93.6	93.7	93.7
GE 600	43.7	46.1	55.2	63.6	75.9	83.2	88.7	91.7	93.1	94.8	95.6	96.0	96.4	96.4	96.5	96.5
GE 500	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.3	94.9	96.7	97.6	98.4	98.8	98.8	98.9	98.9
GE 400	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.5	95.2	96.9	97.9	98.7	99.1	99.1	99.2	99.2
GE 300	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.5	95.2	97.1	98.0	98.8	99.2	99.2	99.3	99.3
GE 200	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.5	95.2	97.1	98.0	98.8	99.2	99.2	99.5	99.7
GE 100	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.5	95.2	97.1	98.0	98.8	99.2	99.2	99.5	100.0
GE 000	43.7	46.1	55.2	63.6	75.9	83.3	89.6	93.5	95.2	97.1	98.0	98.8	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 750



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.2	16.3	19.7	22.7	26.2	26.7	27.4	27.5	27.5	27.7	27.7	27.9	27.9	27.9	27.9	27.9
GE 20000	17.9	19.5	23.8	27.5	32.5	33.3	34.1	34.4	34.5	34.8	34.8	35.1	35.1	35.1	35.1	35.1
GE 18000	18.2	19.7	24.4	28.4	33.4	34.2	35.1	35.3	35.5	35.8	35.8	36.0	36.0	36.0	36.0	36.0
GE 16000	18.2	19.7	24.4	28.4	33.4	34.2	35.1	35.3	35.5	35.8	35.8	36.0	36.0	36.0	36.0	36.0
GE 14000	18.4	19.9	24.5	28.5	33.6	34.4	35.2	35.5	35.6	35.9	35.9	36.2	36.2	36.2	36.2	36.2
GE 12000	18.6	20.1	24.8	28.8	33.8	34.7	35.9	36.2	36.3	36.6	36.6	36.8	36.8	36.8	36.8	36.8
GE 10000	19.2	20.8	26.0	30.1	35.5	36.3	37.7	37.9	38.2	38.5	38.5	38.8	38.8	38.8	38.8	38.8
GE 9000	20.3	22.2	27.4	31.6	37.0	37.8	39.2	39.5	39.7	40.0	40.0	40.3	40.3	40.3	40.3	40.3
GE 8000	23.4	25.9	31.5	35.9	41.8	42.7	44.2	44.5	44.9	45.2	45.2	45.5	45.5	45.5	45.5	45.5
GE 7000	25.1	27.7	33.8	38.4	44.7	45.6	47.1	47.4	47.8	48.1	48.1	48.4	48.4	48.4	48.4	48.4
GE 6000	25.1	27.7	33.8	38.5	44.9	45.9	47.4	47.7	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6
GE 5000	26.3	28.9	35.3	40.3	46.7	47.9	49.6	49.9	50.3	50.5	50.5	50.8	50.8	50.8	50.8	50.8
GE 4500	27.4	30.1	36.6	41.5	48.1	49.3	51.0	51.2	51.6	51.9	51.9	52.2	52.2	52.2	52.2	52.2
GE 4000	31.8	34.8	42.2	47.7	54.4	56.0	57.9	58.8	59.2	59.5	59.5	59.7	59.7	59.7	59.7	59.7
GE 3500	33.0	36.0	44.0	49.7	56.4	58.2	60.1	61.1	61.5	61.8	61.8	62.1	62.1	62.1	62.1	62.1
GE 3000	37.1	40.5	50.3	57.0	64.8	66.7	68.8	69.7	70.3	70.5	70.5	70.8	70.8	70.8	70.8	70.8
GE 2500	38.2	41.8	52.1	59.6	67.9	70.3	72.3	73.7	74.2	74.9	75.1	75.3	75.3	75.3	75.3	75.3
GE 2000	40.7	44.2	55.6	63.7	72.7	75.5	78.1	79.7	80.3	81.1	81.2	81.5	81.5	81.5	81.5	81.5
GE 1800	41.1	44.7	56.2	64.4	73.8	76.7	79.3	81.0	81.8	82.6	82.7	83.0	83.0	83.0	83.0	83.0
GE 1500	42.1	45.6	57.4	66.0	76.7	80.0	82.9	84.5	85.5	86.7	86.8	87.3	87.3	87.3	87.3	87.3
GE 1200	42.2	45.8	57.8	66.8	77.9	81.4	84.2	86.0	87.1	88.5	88.8	89.2	89.2	89.2	89.2	89.2
GE 1000	42.2	45.8	57.8	67.0	78.8	82.6	85.6	87.8	88.9	90.4	90.7	91.1	91.1	91.1	91.1	91.1
GE 900	42.2	45.8	57.8	67.1	79.0	83.0	86.2	88.6	89.7	91.2	91.5	92.1	92.1	92.1	92.1	92.1
GE 800	42.2	45.8	57.8	67.1	79.5	84.2	87.8	90.7	91.8	93.6	93.8	94.5	94.5	94.5	94.5	94.5
GE 700	42.2	45.8	57.8	67.1	79.6	84.9	89.3	92.9	94.1	96.0	96.3	97.0	97.0	97.0	97.0	97.0
GE 600	42.2	45.8	57.8	67.1	79.6	84.9	89.3	93.0	94.7	96.7	97.0	97.7	97.7	97.7	97.7	97.7
GE 500	42.2	45.8	57.8	67.1	79.6	84.9	89.6	93.8	95.6	97.8	98.1	98.8	98.8	98.8	98.8	98.8
GE 400	42.2	45.8	57.8	67.1	79.6	84.9	89.7	94.1	95.9	98.1	98.4	99.0	99.2	99.3	99.3	99.3
GE 300	42.2	45.8	57.8	67.1	79.6	84.9	89.7	94.1	95.9	98.2	98.5	99.2	99.3	99.5	99.5	99.7
GE 200	42.2	45.8	57.8	67.1	79.6	84.9	89.7	94.1	95.9	98.2	98.6	99.3	99.5	99.6	99.6	100.0
GE 100	42.2	45.8	57.8	67.1	79.6	84.9	89.7	94.1	95.9	98.2	98.6	99.3	99.5	99.6	99.6	100.0
GE 000	42.2	45.8	57.8	67.1	79.6	84.9	89.7	94.1	95.9	98.2	98.6	99.3	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 730

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.3	13.9	17.0	18.7	21.7	22.9	23.4	23.8	24.0	24.6	24.8	24.9	25.1	25.1	25.3	25.8
GE 20000	15.2	15.9	19.6	21.7	25.7	27.2	27.8	28.5	28.7	29.3	29.5	29.7	29.8	29.8	30.0	30.6
GE 18000	15.5	16.2	20.0	22.2	26.4	28.0	28.6	29.3	29.5	30.1	30.3	30.5	30.6	30.6	30.8	31.4
GE 16000	15.5	16.2	20.0	22.2	26.4	28.0	28.6	29.3	29.5	30.1	30.3	30.5	30.6	30.6	30.8	31.4
GE 14000	15.5	16.2	20.1	22.2	26.4	28.0	28.7	29.3	29.5	30.1	30.4	30.5	30.6	30.7	30.9	31.4
GE 12000	15.7	16.4	20.3	22.5	26.7	28.3	29.1	29.7	30.0	30.6	30.8	30.9	31.0	31.1	31.3	31.9
GE 10000	16.6	17.4	21.5	23.8	28.2	29.8	30.7	31.5	31.7	32.3	32.5	32.7	32.8	32.9	33.0	33.6
GE 9000	17.3	18.1	22.3	24.7	29.1	30.8	31.6	32.4	32.7	33.3	33.5	33.6	33.8	33.8	34.0	34.6
GE 8000	19.9	21.2	25.9	28.6	33.1	34.9	35.9	36.9	37.2	37.8	38.0	38.1	38.2	38.3	38.5	39.0
GE 7000	21.9	23.4	28.6	31.4	36.3	38.1	39.1	40.1	40.4	41.0	41.2	41.4	41.5	41.6	41.7	42.3
GE 6000	22.0	23.5	28.7	31.6	36.5	38.3	39.4	40.4	40.7	41.3	41.5	41.6	41.7	41.8	42.0	42.6
GE 5000	23.4	24.0	30.5	33.5	38.4	40.5	41.6	42.6	42.9	43.5	43.7	43.8	44.0	44.0	44.2	44.8
GE 4500	24.8	26.3	32.1	35.2	40.2	42.3	43.3	44.3	44.6	45.2	45.5	45.6	45.7	45.8	46.0	46.5
GE 4000	28.1	29.8	36.5	40.3	45.8	48.3	49.6	51.1	51.4	52.1	52.4	52.6	52.8	52.8	53.0	53.6
GE 3500	29.4	31.2	38.3	42.2	47.9	50.5	51.9	53.5	53.8	54.5	54.8	55.0	55.1	55.2	55.4	55.9
GE 3000	32.9	34.9	43.3	47.9	54.8	57.9	59.6	61.2	61.6	62.3	62.6	62.8	63.0	63.0	63.2	63.8
GE 2500	34.3	36.4	45.2	50.2	57.6	61.0	63.0	64.7	65.1	66.0	66.4	66.5	66.7	66.8	67.0	67.5
GE 2000	36.6	38.7	48.2	53.8	62.2	66.0	68.6	70.6	71.0	72.0	72.3	72.5	72.7	72.8	73.0	73.6
GE 1800	37.0	39.2	49.0	54.6	63.2	67.0	69.6	71.6	72.2	73.2	73.5	73.7	73.8	73.9	74.1	74.7
GE 1500	38.3	40.6	50.8	56.7	66.1	70.4	73.3	75.4	76.1	77.4	77.8	78.0	78.2	78.2	78.5	79.0
GE 1200	39.0	41.3	52.0	58.3	68.7	73.5	76.6	78.9	79.7	81.1	81.5	81.7	81.9	81.9	82.1	82.7
GE 1000	39.2	41.5	52.3	58.8	70.3	75.5	78.8	81.3	82.1	83.6	84.1	84.3	84.5	84.5	84.8	85.3
GE 900	39.2	41.5	52.3	59.0	70.9	76.6	80.2	82.8	83.6	85.1	85.6	85.9	86.1	86.2	86.4	87.0
GE 800	39.2	41.6	52.5	59.2	71.5	77.7	82.0	85.2	86.1	87.7	88.2	88.5	88.8	88.8	89.0	89.6
GE 700	39.2	41.6	52.5	59.2	71.8	78.7	83.8	87.5	88.6	90.2	90.8	91.2	91.4	91.5	91.7	92.3
GE 600	39.2	41.6	52.5	59.2	72.0	79.1	84.5	88.8	90.3	92.0	92.6	93.1	93.3	93.3	93.6	94.1
GE 500	39.2	41.6	52.5	59.2	72.0	79.2	85.2	90.1	91.8	93.7	94.3	94.9	95.2	95.3	95.5	96.1
GE 400	39.2	41.6	52.5	59.2	72.0	79.2	85.3	90.4	92.6	94.7	95.4	96.1	96.4	96.5	96.7	97.3
GE 300	39.2	41.6	52.5	59.2	72.0	79.2	85.3	90.4	92.6	95.0	95.8	96.5	96.8	97.0	97.2	97.9
GE 200	39.2	41.6	52.5	59.2	72.0	79.2	85.3	90.4	92.7	95.0	95.9	96.6	97.1	97.4	97.7	98.9
GE 100	39.2	41.6	52.5	59.2	72.0	79.2	85.3	90.4	92.7	95.0	95.9	96.6	97.1	97.6	98.0	99.9
GE 000	39.2	41.6	52.5	59.2	72.0	79.2	85.3	90.4	92.7	95.0	95.9	96.6	97.1	97.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2794

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.9	13.3	18.8	20.3	22.1	23.3	25.3	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.0
GE 20000	14.3	14.8	21.0	22.5	24.4	25.5	27.6	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.5
GE 18000	14.3	14.8	21.0	22.5	24.4	25.5	27.6	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.5
GE 16000	14.3	14.8	21.0	22.5	24.4	25.5	27.6	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.5
GE 14000	14.3	14.8	21.0	22.5	24.4	25.5	27.6	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.5
GE 12000	14.8	15.6	22.0	23.5	25.3	26.5	28.5	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.4
GE 10000	16.1	17.1	23.5	25.1	27.0	28.1	30.2	31.7	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.3
GE 9000	17.1	18.0	24.6	26.3	28.3	29.5	31.5	33.0	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.6
GE 8000	19.5	20.5	27.2	29.1	31.5	32.6	34.9	36.4	36.6	36.8	36.8	36.8	36.8	36.8	36.8	37.0
GE 7000	20.6	21.8	28.9	30.8	33.2	34.3	36.6	38.1	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.6
GE 6000	21.2	22.3	29.8	31.7	34.1	35.3	37.5	39.0	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.6
GE 5000	22.5	23.6	31.7	33.8	36.4	37.7	40.2	41.7	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.2
GE 4500	24.4	25.5	33.6	35.6	38.5	39.8	42.2	43.7	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.3
GE 4000	28.1	29.5	38.5	41.1	44.5	45.8	48.4	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.7
GE 3500	30.6	32.3	41.3	44.1	48.0	49.3	52.2	54.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.6
GE 3000	31.9	33.8	43.9	46.9	51.2	52.5	55.3	57.4	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.2
GE 2500	33.4	35.3	45.8	49.0	54.0	55.5	58.7	61.0	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.7
GE 2000	37.0	39.0	51.4	55.5	61.9	63.6	67.0	69.2	69.6	69.8	70.2	70.2	70.2	70.2	70.2	70.4
GE 1800	37.1	39.2	51.6	55.7	62.5	64.2	67.5	69.8	70.2	70.4	70.7	70.7	70.7	70.7	70.7	70.9
GE 1500	38.3	40.5	54.6	59.1	67.0	68.9	72.4	74.9	75.2	75.8	76.4	76.5	76.5	76.5	76.5	76.7
GE 1200	39.8	42.2	57.6	62.5	70.7	73.4	77.5	80.1	80.5	81.1	81.6	81.8	81.8	81.8	81.8	82.0
GE 1000	40.3	42.8	58.9	63.8	73.2	76.0	80.3	82.9	83.3	84.1	84.8	85.2	85.2	85.2	85.2	85.4
GE 900	40.3	42.8	59.3	64.2	74.1	76.9	81.2	84.6	85.0	85.7	86.5	86.9	86.9	86.9	86.9	87.1
GE 800	40.3	42.8	59.5	64.5	75.4	78.6	83.5	87.1	87.6	88.7	89.5	89.9	89.9	89.9	89.9	90.1
GE 700	40.3	42.8	59.5	64.7	76.4	79.5	84.6	88.4	88.9	90.1	90.8	91.4	91.4	91.4	91.4	91.6
GE 600	40.3	42.8	59.5	64.7	76.5	80.3	87.1	91.4	91.9	93.1	94.0	94.6	94.6	94.6	94.6	94.7
GE 500	40.3	42.8	59.5	64.7	76.7	80.7	87.6	92.3	92.9	94.0	94.9	95.5	95.5	95.5	95.5	95.7
GE 400	40.3	42.8	59.5	64.7	76.7	80.7	88.2	93.4	94.7	95.9	96.8	97.9	97.9	97.9	97.9	98.1
GE 300	40.3	42.8	59.5	64.7	76.7	80.7	88.2	93.8	95.1	96.2	97.4	98.5	98.5	98.5	98.5	98.9
GE 200	40.3	42.8	59.5	64.7	76.7	80.7	88.2	93.8	95.1	96.4	97.7	99.2	99.4	99.4	99.4	99.8
GE 100	40.3	42.8	59.5	64.7	76.7	80.7	88.2	93.8	95.1	96.4	97.7	99.2	99.4	99.4	99.4	100.0
GE 000	40.3	42.8	59.5	64.7	76.7	80.7	88.2	93.8	95.1	96.4	97.7	99.2	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 533

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.6	12.3	14.5	16.2	17.8	19.1	20.9	22.3	22.3	22.4	22.4	22.5	22.5	22.5	22.6	23.0
GE 20000	14.5	15.3	17.9	19.8	21.5	23.3	25.4	26.9	26.9	27.0	27.0	27.1	27.1	27.1	27.2	27.8
GE 18000	14.7	15.6	18.4	20.3	22.0	23.8	25.9	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.7	28.3
GE 16000	14.7	15.6	18.4	20.3	22.0	23.8	25.9	27.4	27.4	27.5	27.5	27.6	27.5	27.6	27.7	28.3
GE 14000	15.2	16.1	18.9	20.8	22.6	24.4	26.5	28.0	28.0	28.1	28.1	28.2	28.2	28.2	28.3	29.0
GE 12000	16.0	17.0	19.8	21.7	23.5	25.2	27.4	28.8	28.8	29.0	29.0	29.1	29.1	29.1	29.2	29.8
GE 10000	16.2	17.2	20.0	21.9	23.8	25.5	27.8	29.3	29.3	29.5	29.5	29.6	29.6	29.6	29.7	30.3
GE 9000	17.1	18.1	20.9	22.8	24.9	26.6	29.1	30.6	30.6	30.7	30.7	30.8	30.8	30.8	30.9	31.6
GE 8000	20.4	21.7	24.8	27.0	29.8	31.8	34.3	36.0	36.0	36.4	36.4	36.5	36.5	36.5	36.6	37.3
GE 7000	22.5	23.9	27.1	29.5	32.4	34.5	37.0	38.7	38.7	39.1	39.1	39.2	39.2	39.2	39.4	40.0
GE 6000	22.8	24.1	27.4	29.7	32.7	34.8	37.3	39.0	39.0	39.4	39.4	39.5	39.5	39.5	39.6	40.2
GE 5000	24.3	25.7	29.2	31.9	35.1	37.7	40.5	42.2	42.2	42.6	42.6	42.7	42.7	42.7	42.8	43.4
GE 4500	25.5	27.1	30.6	33.4	36.8	39.4	42.1	43.9	43.9	44.3	44.3	44.4	44.4	44.4	44.6	45.2
GE 4000	28.1	29.8	33.8	36.8	40.1	42.7	45.7	47.5	47.5	47.9	47.9	48.0	48.0	48.0	48.1	48.8
GE 3500	30.0	31.7	36.0	39.2	43.1	46.0	49.3	51.4	51.4	51.7	51.7	51.9	51.9	51.9	52.0	52.6
GE 3000	33.8	35.6	40.8	44.4	49.6	52.6	55.9	58.2	58.3	58.7	58.7	58.8	58.8	58.8	58.9	59.5
GE 2500	35.5	37.5	43.4	47.6	53.2	56.4	59.8	62.1	62.3	62.6	62.6	62.7	62.7	62.7	62.9	63.5
GE 2000	38.4	40.6	48.0	52.5	59.8	63.1	66.5	69.2	69.3	69.7	69.7	69.8	69.8	69.8	69.9	70.5
GE 1800	39.0	41.3	48.8	53.2	60.8	64.1	67.6	70.3	70.4	70.8	70.8	70.9	70.9	70.9	71.0	71.7
GE 1500	40.2	42.7	51.4	56.4	65.0	68.8	72.4	75.6	75.9	76.2	76.6	76.7	76.7	76.9	77.0	77.6
GE 1200	41.3	43.8	53.6	59.7	69.2	73.6	77.8	81.2	81.4	81.8	82.3	82.4	82.4	82.5	82.7	83.3
GE 1000	41.8	44.3	55.3	61.4	71.8	76.6	80.9	84.4	84.7	85.3	86.0	86.1	86.1	86.3	86.4	87.0
GE 900	42.0	44.4	55.7	62.3	72.6	77.5	82.2	85.8	86.0	86.8	87.5	87.6	87.6	87.7	87.9	88.5
GE 800	42.1	44.6	56.1	63.1	74.3	79.6	85.3	89.4	90.0	91.1	92.2	92.5	92.5	92.6	92.7	93.3
GE 700	42.1	44.6	56.1	63.5	74.6	80.4	86.1	90.5	91.1	92.2	93.3	93.6	93.8	93.9	94.1	94.7
GE 600	42.1	44.6	56.1	63.6	75.1	81.3	87.1	91.7	92.3	93.4	94.6	94.8	95.0	95.2	95.3	95.9
GE 500	42.1	44.6	56.2	63.7	75.4	81.6	87.9	92.5	93.2	94.3	95.4	95.7	95.9	96.0	96.2	96.8
GE 400	42.1	44.6	56.2	63.7	75.4	81.6	87.9	93.4	94.2	95.4	96.5	96.9	97.3	97.6	98.0	98.6
GE 300	42.1	44.6	56.2	63.7	75.4	81.6	87.9	93.4	94.2	95.4	96.8	97.2	97.8	98.1	98.5	99.1
GE 200	42.1	44.6	56.2	63.7	75.4	81.6	87.9	93.4	94.2	95.5	96.9	97.3	98.1	98.5	98.9	99.6
GE 100	42.1	44.6	56.2	63.7	75.4	81.6	87.9	93.4	94.2	95.5	96.9	97.3	98.1	98.5	98.9	100.0
GE 000	42.1	44.6	56.2	63.7	75.4	81.6	87.9	93.4	94.2	95.5	96.9	97.3	98.1	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 808

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.7	13.1	16.8	17.9	20.0	21.5	23.5	23.8	23.8	23.8	24.2	24.2	24.2	24.2	24.3	24.4
GE 20000	15.8	16.6	20.8	22.2	24.7	26.6	28.7	29.4	29.4	29.4	29.8	29.8	29.8	29.8	29.9	30.0
GE 18000	15.9	16.7	21.0	22.3	24.8	26.8	29.0	29.6	29.6	29.6	30.0	30.0	30.0	30.0	30.2	30.3
GE 16000	15.9	16.7	21.0	22.3	24.8	26.8	29.0	29.6	29.6	29.6	30.0	30.0	30.0	30.0	30.2	30.3
GE 14000	16.4	17.2	21.5	22.8	25.8	27.8	29.9	30.6	30.6	30.6	31.0	31.0	31.0	31.0	31.1	31.2
GE 12000	17.4	18.3	22.7	24.0	27.1	29.1	31.2	31.9	31.9	31.9	32.3	32.3	32.3	32.3	32.4	32.6
GE 10000	18.2	19.1	23.6	25.0	28.3	30.3	32.4	33.1	33.1	33.1	33.5	33.5	33.5	33.5	33.6	33.8
GE 9000	18.6	19.5	24.2	25.6	29.0	31.1	33.2	33.9	33.9	33.9	34.3	34.3	34.3	34.3	34.4	34.6
GE 8000	23.2	24.6	30.2	32.4	36.6	38.9	41.0	41.7	41.8	41.9	42.3	42.3	42.3	42.3	42.5	42.6
GE 7000	25.5	26.8	32.7	35.1	39.5	41.9	44.3	45.0	45.1	45.3	45.7	45.7	45.7	45.7	45.8	45.9
GE 6000	25.6	27.0	32.8	35.4	39.8	42.5	45.0	45.7	45.8	45.9	46.3	46.3	46.3	46.3	46.5	46.6
GE 5000	26.6	27.9	34.4	37.2	41.7	44.9	47.5	48.2	48.3	48.5	48.9	48.9	48.9	48.9	49.0	49.1
GE 4500	27.6	29.0	35.6	39.0	43.9	47.3	49.9	50.6	50.7	50.9	51.3	51.3	51.3	51.3	51.4	51.5
GE 4000	29.5	30.8	38.2	41.7	47.1	50.6	53.3	53.9	54.2	54.3	54.7	54.7	54.7	54.7	54.9	55.0
GE 3500	31.1	32.4	40.1	43.5	49.1	52.7	55.4	56.2	56.5	56.6	57.0	57.0	57.0	57.0	57.1	57.3
GE 3000	36.4	37.9	46.7	50.7	57.1	60.9	63.6	64.8	65.0	65.2	65.6	65.6	65.7	65.7	65.8	66.0
GE 2500	38.7	40.2	49.7	54.5	61.4	65.3	68.4	69.7	70.1	70.2	70.6	70.6	70.8	70.8	70.9	71.0
GE 2000	41.5	43.1	53.1	58.7	66.9	70.9	74.1	75.4	75.8	76.0	76.4	76.4	76.5	76.5	76.6	76.8
GE 1800	42.5	44.1	54.2	59.8	68.1	72.2	75.4	76.8	77.2	77.3	77.7	77.7	77.8	77.8	78.0	78.1
GE 1500	44.1	45.8	56.9	62.8	71.8	76.2	79.7	81.0	81.4	81.6	82.1	82.1	82.2	82.2	82.4	82.5
GE 1200	45.7	47.4	60.1	66.9	76.6	81.2	84.8	86.4	86.9	87.2	88.0	88.0	88.1	88.1	88.3	88.4
GE 1000	45.7	47.4	61.3	68.5	79.2	83.7	87.3	88.9	89.6	90.1	90.9	91.1	91.2	91.2	91.3	91.5
GE 900	45.7	47.4	61.3	68.5	79.2	84.0	88.0	89.7	90.4	90.9	91.9	92.0	92.1	92.1	92.3	92.4
GE 800	45.7	47.4	61.3	68.5	79.2	84.4	88.4	90.4	91.1	92.0	92.9	93.1	93.2	93.2	93.3	93.5
GE 700	45.7	47.4	61.3	68.6	79.4	85.0	89.2	91.3	92.3	93.2	94.4	94.5	94.7	94.7	94.8	94.9
GE 600	45.7	47.4	61.3	68.6	79.4	85.3	89.7	92.9	94.4	95.6	96.9	97.1	97.2	97.2	97.3	97.5
GE 500	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.3	94.8	96.0	97.3	97.5	97.6	97.6	97.7	97.9
GE 400	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.7	95.2	96.5	97.9	98.1	98.3	98.5	98.7	98.8
GE 300	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.7	95.2	96.7	98.1	98.4	98.5	98.9	99.2	99.3
GE 200	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.7	95.2	96.7	98.1	98.5	98.7	99.1	99.3	99.7
GE 100	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.7	95.2	96.7	98.1	98.5	98.7	99.1	99.3	99.9
GE 000	45.7	47.4	61.3	68.6	79.4	85.4	90.0	93.9	95.3	96.8	98.3	98.7	98.8	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 749

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.4	14.7	18.3	19.2	22.3	23.8	25.3	26.0	26.0	26.3	26.4	26.4	26.4	26.4	26.4	26.4
GE 20000	16.2	16.7	20.8	22.0	25.6	27.4	29.1	29.9	29.9	30.2	30.4	30.4	30.4	30.4	30.4	30.4
GE 18000	16.4	16.9	21.0	22.1	26.0	27.8	29.4	30.2	30.2	30.6	30.7	30.7	30.7	30.7	30.7	30.7
GE 16000	16.4	16.9	21.0	22.1	26.0	27.8	29.4	30.2	30.2	30.6	30.7	30.7	30.7	30.7	30.7	30.7
GE 14000	16.5	17.0	21.2	22.3	26.1	27.9	29.6	30.4	30.4	30.7	30.9	30.9	30.9	30.9	30.9	30.9
GE 12000	17.0	17.5	21.7	23.1	27.1	28.9	30.6	31.4	31.4	31.7	31.9	31.9	31.9	31.9	31.9	31.9
GE 10000	17.5	18.0	22.3	23.8	28.3	30.1	31.9	32.7	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2
GE 9000	18.2	18.7	23.0	24.5	28.9	30.7	32.6	33.4	33.4	33.7	33.9	33.9	33.9	33.9	33.9	33.9
GE 8000	21.5	22.3	28.1	29.9	34.7	36.9	38.7	39.7	39.7	40.0	40.2	40.2	40.2	40.2	40.2	40.2
GE 7000	22.6	23.5	30.1	31.9	37.2	39.7	41.7	42.6	42.6	43.0	43.1	43.1	43.1	43.1	43.1	43.1
GE 6000	23.5	24.3	30.9	32.9	38.3	40.8	42.8	43.8	43.8	44.1	44.3	44.3	44.3	44.3	44.3	44.3
GE 5000	24.8	25.6	32.4	34.7	40.5	43.0	45.0	46.0	46.0	46.3	46.4	46.4	46.4	46.4	46.4	46.4
GE 4500	25.1	26.0	32.7	35.0	41.0	43.5	45.5	46.4	46.6	46.9	47.1	47.1	47.1	47.1	47.1	47.1
GE 4000	27.8	23.9	36.7	39.3	46.1	48.9	51.1	52.1	52.2	52.6	52.7	52.7	52.7	52.7	52.7	52.7
GE 3500	29.8	31.2	39.5	42.1	49.1	51.5	54.0	55.2	55.4	55.7	56.0	56.0	56.0	56.0	56.0	56.0
GE 3000	35.5	37.0	45.5	48.1	56.2	59.3	61.8	63.1	63.6	64.1	64.5	64.5	64.5	64.5	64.5	64.5
GE 2500	37.7	39.3	48.3	51.4	60.2	63.5	66.1	67.6	68.1	68.8	69.3	69.4	69.4	69.4	69.4	69.4
GE 2000	40.5	42.3	51.6	56.0	66.9	70.4	73.2	75.0	75.7	76.7	77.2	77.4	77.4	77.4	77.4	77.4
GE 1800	40.8	42.8	52.6	57.0	68.1	71.6	74.4	76.2	76.9	77.9	78.3	78.5	78.5	78.5	78.5	78.5
GE 1500	41.5	43.5	53.9	58.3	70.4	74.4	77.4	79.7	80.3	81.5	82.0	82.1	82.1	82.1	82.1	82.1
GE 1200	42.6	44.6	56.2	62.0	75.0	79.2	82.5	85.3	86.1	87.4	88.3	88.4	88.4	88.4	88.4	88.4
GE 1000	43.0	45.0	56.7	63.0	77.9	82.1	85.6	88.6	89.8	91.1	92.1	92.2	92.2	92.2	92.2	92.2
GE 900	43.0	45.0	56.7	63.0	77.9	82.1	85.6	88.6	90.1	91.6	92.7	92.9	92.9	92.9	92.9	92.9
GE 800	43.0	45.0	56.7	63.1	78.0	82.3	86.0	89.1	90.6	92.1	93.2	93.4	93.4	93.4	93.4	93.4
GE 700	43.0	45.0	56.7	63.1	78.2	83.0	86.6	89.9	91.4	93.1	94.5	94.7	94.7	94.7	94.7	94.7
GE 600	43.0	45.0	56.7	63.1	78.2	83.5	87.1	91.9	94.0	95.9	97.7	97.9	97.9	97.9	97.9	97.9
GE 500	43.0	45.0	56.7	63.1	78.2	83.5	87.3	92.2	94.7	96.9	98.7	99.2	99.2	99.2	99.2	99.2
GE 400	43.0	45.0	56.7	63.1	78.3	83.6	87.4	92.6	95.0	97.4	99.2	99.8	99.8	99.8	99.8	99.8
GE 300	43.0	45.0	56.7	63.1	78.5	83.8	87.6	92.7	95.2	97.5	99.3	100.0	100.0	100.0	100.0	100.0
GE 200	43.0	45.0	56.7	63.1	78.5	83.8	87.6	92.7	95.2	97.5	99.3	100.0	100.0	100.0	100.0	100.0
GE 100	43.0	45.0	56.7	63.1	78.5	83.8	87.6	92.7	95.2	97.5	99.3	100.0	100.0	100.0	100.0	100.0
GE 000	43.0	45.0	56.7	63.1	78.5	83.8	87.6	92.7	95.2	97.5	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 605

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.8	13.2	16.8	18.1	20.3	21.6	23.5	24.4	24.4	24.5	24.7	24.7	24.7	24.7	24.8	25.0
GE 20000	15.2	15.9	20.0	21.5	23.9	25.6	27.6	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.1	29.4
GE 18000	15.3	16.0	20.2	21.7	24.2	25.9	27.9	29.0	29.0	29.1	29.3	29.3	29.3	29.3	29.4	29.6
GE 16000	15.3	16.0	20.2	21.7	24.2	25.9	27.9	29.0	29.0	29.1	29.3	29.3	29.3	29.3	29.4	29.6
GE 14000	15.7	16.4	20.6	22.0	24.6	26.3	28.3	29.5	29.5	29.6	29.8	29.8	29.8	29.8	29.9	30.1
GE 12000	16.4	17.2	21.4	23.0	25.7	27.4	29.4	30.5	30.5	30.6	30.8	30.8	30.8	30.8	30.9	31.2
GE 10000	17.0	17.9	22.2	23.8	26.7	28.4	30.5	31.6	31.7	31.8	31.9	32.0	32.0	32.0	32.1	32.3
GE 9000	17.7	18.6	23.0	24.6	27.6	29.4	31.5	32.6	32.7	32.8	32.9	33.0	33.0	33.0	33.1	33.3
GE 8000	21.3	22.4	27.5	29.6	33.1	35.1	37.3	38.5	38.6	38.8	39.0	39.0	39.0	39.0	39.1	39.3
GE 7000	23.0	24.2	29.7	31.8	35.6	37.7	40.0	41.2	41.3	41.6	41.7	41.7	41.7	41.7	41.8	42.1
GE 6000	23.4	24.6	30.2	32.4	36.2	38.4	40.7	41.9	42.0	42.3	42.4	42.4	42.4	42.4	42.5	42.8
GE 5000	24.7	25.9	31.9	34.4	38.4	40.9	43.4	44.6	44.7	44.9	45.1	45.1	45.1	45.1	45.2	45.5
GE 4500	25.8	27.1	33.1	35.8	40.0	42.6	45.0	46.3	46.4	46.7	46.8	46.9	46.9	46.9	46.9	47.2
GE 4000	28.4	29.8	36.6	39.6	44.3	46.9	49.5	50.8	51.0	51.2	51.4	51.4	51.4	51.4	51.5	51.8
GE 3500	30.4	31.9	39.0	42.0	47.1	49.9	52.6	54.1	54.2	54.5	54.7	54.7	54.7	54.7	54.8	55.1
GE 3000	34.5	36.2	44.1	47.5	53.5	56.4	59.3	61.0	61.2	61.5	61.7	61.8	61.8	61.8	61.9	62.2
GE 2500	36.5	38.2	46.7	50.6	57.2	60.3	63.4	65.2	65.5	65.9	66.1	66.2	66.2	66.2	66.3	66.6
GE 2000	39.4	41.4	50.9	55.6	63.8	67.0	70.2	72.2	72.6	73.0	73.3	73.4	73.4	73.4	73.5	73.8
GE 1800	40.0	42.0	51.7	56.4	64.8	68.1	71.3	73.3	73.7	74.1	74.4	74.5	74.5	74.5	74.6	74.8
GE 1500	41.2	43.3	54.1	59.1	68.5	72.1	75.5	77.9	78.3	78.8	79.3	79.4	79.4	79.5	79.6	79.8
GE 1200	42.5	44.7	56.8	62.7	72.9	76.9	80.7	83.3	83.8	84.4	85.1	85.2	85.2	85.3	85.3	85.6
GE 1000	42.9	45.0	58.0	64.2	75.5	79.7	83.6	86.3	86.9	87.7	88.5	88.7	88.7	88.8	88.8	89.1
GE 900	42.9	45.0	58.2	64.5	75.9	80.2	84.4	87.3	87.9	88.8	89.7	89.9	89.9	89.9	90.0	90.3
GE 800	42.9	45.1	58.3	64.9	76.7	81.3	85.9	89.1	89.9	91.1	92.1	92.3	92.4	92.4	92.5	92.7
GE 700	42.9	45.1	58.3	65.1	77.1	82.1	86.8	90.2	91.1	92.2	93.4	93.7	93.8	93.8	93.9	94.1
GE 600	42.9	45.1	58.3	65.1	77.3	82.7	87.8	92.0	93.2	94.5	95.8	96.1	96.2	96.2	96.3	96.5
GE 500	42.9	45.1	58.4	65.2	77.4	82.9	88.3	92.6	93.9	95.3	96.6	96.9	97.0	97.1	97.1	97.4
GE 400	42.9	45.1	58.4	65.2	77.4	82.9	88.4	93.3	94.8	96.3	97.6	98.1	98.3	98.4	98.6	98.8
GE 300	42.9	45.1	58.4	65.2	77.5	83.0	88.5	93.4	94.9	96.4	97.8	98.4	98.6	98.8	99.0	99.3
GE 200	42.9	45.1	58.4	65.2	77.5	83.0	88.5	93.4	94.9	96.5	98.0	98.6	99.0	99.2	99.4	99.8
GE 100	42.9	45.1	58.4	65.2	77.5	83.0	88.5	93.4	94.9	96.5	98.0	98.6	99.0	99.2	99.4	100.0
GE 000	42.9	45.1	58.4	65.2	77.5	83.0	88.5	93.5	94.9	96.5	98.0	98.7	99.0	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2695

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.8	23.8	28.5	30.7	32.9	34.0	34.6	35.2	35.5	35.8	36.0	36.2	36.3	36.3	36.4	36.7
GE 20000	26.5	27.8	33.3	35.7	38.2	39.4	40.2	40.9	41.2	41.5	41.7	41.9	42.0	42.1	42.2	42.5
GE 18000	26.8	28.2	33.7	36.2	38.7	39.9	40.7	41.4	41.7	42.0	42.2	42.4	42.5	42.6	42.7	43.0
GE 16000	26.8	28.2	33.7	36.2	38.7	39.9	40.7	41.4	41.7	42.1	42.2	42.4	42.5	42.6	42.7	43.0
GE 14000	27.0	28.4	33.9	36.4	39.0	40.2	41.0	41.7	42.0	42.4	42.5	42.7	42.8	42.9	43.0	43.3
GE 12000	27.7	29.2	34.8	37.3	40.0	41.2	42.0	42.7	43.0	43.3	43.5	43.7	43.8	43.9	44.0	44.3
GE 10000	29.5	31.0	37.0	39.7	42.4	43.7	44.5	45.3	45.6	46.0	46.2	46.3	46.4	46.5	46.6	46.9
GE 9000	30.3	31.9	38.0	40.8	43.6	44.9	45.7	46.5	46.9	47.2	47.4	47.6	47.7	47.8	47.9	48.2
GE 8000	34.0	35.8	42.8	45.8	49.0	50.4	51.4	52.2	52.6	53.0	53.2	53.4	53.5	53.6	53.8	54.1
GE 7000	35.5	37.5	44.7	47.9	51.4	52.8	53.9	54.7	55.2	55.6	55.8	56.0	56.1	56.2	56.3	56.6
GE 6000	35.9	37.8	45.2	48.5	51.9	53.4	54.5	55.4	55.8	56.2	56.4	56.6	56.7	56.8	56.9	57.3
GE 5000	38.1	40.1	47.9	51.3	55.0	56.6	57.7	58.6	59.1	59.5	59.7	59.9	60.0	60.2	60.3	60.6
GE 4500	39.2	41.4	49.5	53.0	56.8	58.5	59.6	60.6	61.0	61.5	61.7	61.9	62.0	62.2	62.3	62.6
GE 4000	42.5	44.8	53.7	57.5	61.7	63.5	64.8	65.8	66.3	66.8	67.1	67.3	67.4	67.5	67.6	68.0
GE 3500	44.5	46.9	56.2	60.3	64.7	66.6	68.0	69.1	69.6	70.2	70.4	70.6	70.8	70.9	71.0	71.3
GE 3000	48.2	50.9	61.1	65.5	70.6	72.7	74.2	75.5	76.1	76.7	77.0	77.2	77.4	77.5	77.6	78.0
GE 2500	49.4	52.1	62.8	67.6	73.0	75.2	76.8	78.2	78.8	79.5	79.8	80.0	80.1	80.3	80.4	80.7
GE 2000	51.1	53.9	65.3	70.4	76.4	78.8	80.7	82.2	83.0	83.7	84.0	84.3	84.4	84.6	84.7	85.0
GE 1800	51.4	54.2	65.8	70.9	77.1	79.6	81.4	83.0	83.8	84.5	84.9	85.1	85.3	85.4	85.5	85.9
GE 1500	52.2	55.1	67.1	72.5	79.2	81.8	83.9	85.6	86.5	87.3	87.7	88.0	88.2	88.3	88.4	88.8
GE 1200	52.7	55.6	68.2	73.9	81.0	84.0	86.2	88.1	89.0	90.0	90.4	90.7	90.9	91.1	91.2	91.5
GE 1000	52.9	55.8	68.7	74.4	82.0	85.3	87.7	89.7	90.8	91.8	92.3	92.6	92.8	93.0	93.1	93.5
GE 900	52.9	55.9	68.8	74.6	82.4	85.8	88.4	90.6	91.7	92.7	93.3	93.6	93.8	93.9	94.1	94.4
GE 800	53.0	55.9	68.9	74.7	82.8	86.3	89.1	91.4	92.6	93.7	94.3	94.7	94.9	95.0	95.2	95.5
GE 700	53.0	55.9	68.9	74.8	83.0	86.7	89.7	92.2	93.5	94.6	95.3	95.7	95.9	96.0	96.2	96.6
GE 600	53.0	55.9	68.9	74.8	83.1	86.9	90.1	92.8	94.2	95.4	96.1	96.5	96.7	96.9	97.0	97.4
GE 500	53.0	55.9	68.9	74.8	83.1	87.0	90.3	93.2	94.7	95.9	96.7	97.2	97.4	97.6	97.7	98.1
GE 400	53.0	55.9	68.9	74.8	83.1	87.0	90.3	93.4	95.0	96.3	97.2	97.7	97.9	98.2	98.3	98.8
GE 300	53.0	55.9	68.9	74.8	83.1	87.0	90.4	93.4	95.0	96.4	97.3	97.8	98.2	98.5	98.6	99.2
GE 200	53.0	55.9	68.9	74.8	83.1	87.0	90.4	93.4	95.0	96.4	97.4	97.9	98.3	98.6	98.9	99.6
GE 100	53.0	55.9	68.9	74.8	83.1	87.0	90.4	93.4	95.0	96.4	97.4	97.9	98.3	98.6	98.9	99.9
GE 000	53.0	55.9	68.9	74.8	83.1	87.1	90.4	93.5	95.1	96.5	97.4	98.0	98.3	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 35604



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	EEEEEE
PPPPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

## PART E

### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

#### TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

#### MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95							.5						.0
GE 90						.1	3.1	1.3					.4
GE 85					.1	3.2	9.3	5.4	1.0	.1			1.6
GE 80				.4	3.0	13.4	24.6	18.1	5.9	.5			5.6
GE 75			.1	2.0	11.6	30.9	41.1	39.2	16.8	1.6			12.2
GE 70			1.0	8.8	27.1	47.3	60.8	59.0	35.3	6.9			20.9
GE 65		.2	3.6	17.3	42.1	63.0	76.9	77.5	53.7	17.2	.3		29.8
GE 60		.5	9.1	33.6	62.6	83.9	93.2	93.8	78.8	36.6	2.3	.4	41.9
GE 55	.4	2.9	18.7	50.5	83.4	95.3	99.9	99.4	94.4	61.4	10.6	2.2	52.4
GE 50	3.6	8.5	35.2	68.0	94.5	99.2	100.0	100.0	99.3	82.4	24.5	7.0	61.0
GE 45	13.8	23.3	56.9	86.0	98.6	100.0				94.3	48.5	15.7	70.6
GE 40	26.5	40.5	75.4	95.5	100.0					98.5	67.6	29.8	78.5
GE 35	53.5	67.4	92.4	99.5						99.7	88.1	61.2	88.9
GE 33	62.7	75.5	94.7	99.7						100.0	91.9	70.4	91.6
GE 30	74.5	88.1	98.5	100.0							96.8	83.0	95.3
GE 25	86.8	97.6	99.6								99.7	93.2	98.1
GE 20	92.8	98.2	99.9								100.0	97.2	99.0
GE 15	97.0	100.0	100.0									99.0	99.7
GE 10	99.1											99.4	99.9
GE 5	99.6											100.0	100.0
GE 0	100.0												100.0
MEAN	34.4	38.4	46.4	55.2	63.2	68.9	72.4	71.8	66.3	57.0	43.9	36.5	54.8
SD	9.15	8.02	9.17	9.74	8.88	8.90	8.98	8.14	8.01	8.16	8.02	8.40	16.04
TOTAL OBS	695	657	779	738	727	708	740	775	713	743	691	719	8685

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							.3			.1			.0
GE 75							.3	.1		.1			.0
GE 70						.6	1.8	.6		.1			.3
GE 65					.6	1.7	7.2	3.2	1.5	.3			1.2
GE 60				.3	3.7	18.2	29.1	25.2	7.3	1.7			7.3
GE 55			.4	2.0	16.5	47.3	63.2	58.1	26.2	6.5	.4	.1	18.8
GE 50	.1	.3	2.7	11.0	42.5	75.7	90.4	86.7	53.9	22.2	3.2	1.9	33.1
GE 45	2.0	2.3	8.9	31.4	70.8	93.8	98.8	97.7	78.4	45.8	15.9	6.0	46.6
GE 40	9.1	10.2	23.4	50.1	89.1	99.2	100.0	100.0	90.9	63.9	33.7	14.5	57.7
GE 35	28.8	28.3	53.1	81.0	98.1	99.9			98.7	86.1	59.2	35.2	73.0
GE 33	37.8	41.6	64.1	89.6	99.3	100.0			99.4	89.2	70.2	47.0	78.7
GE 30	53.5	58.1	77.2	96.9	99.7				99.9	96.0	83.2	62.0	85.9
GE 25	70.9	75.3	90.2	99.6	100.0				100.0	99.5	95.5	79.6	92.8
GE 20	78.7	87.2	94.6	100.0						100.0	98.3	86.5	95.6
GE 15	85.9	93.3	97.8								99.7	93.6	97.6
GE 10	92.5	96.3	98.6								99.9	97.4	98.8
GE 5	96.1	98.3	99.5								100.0	98.7	99.4
GE 0	99.0	99.2	100.0									99.7	99.8
GE -5	99.6	100.0										99.9	100.0
GE -10	99.7											100.0	100.0
GE -15	100.0												100.0
MEAN	27.8	29.5	34.3	40.6	47.9	53.7	56.5	55.5	49.7	43.0	36.5	30.6	42.4
SD	10.84	9.12	8.26	6.91	6.60	5.96	5.78	5.66	6.85	8.08	7.34	5.52	12.59
TOTAL OBS	695	657	779	738	727	708	740	775	713	743	691	719	8685

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80						.1	1.2	.1		.1			.1
GE 75					.1	1.8	7.0	3.4	.4	.3			1.1
GE 70					2.2	11.7	24.3	19.1	3.6	.5			5.3
GE 65				1.1	10.5	35.0	50.0	44.1	16.8	2.2			13.6
GE 60			.5	6.6	28.7	60.5	76.6	75.0	40.3	8.1			25.2
GE 55		.3	3.5	19.2	54.5	84.7	95.1	96.1	71.1	26.4	2.3	.8	38.5
GE 50	1.0	1.5	12.1	43.8	82.4	96.5	100.0	99.9	93.0	52.9	11.1	4.0	50.6
GE 45	6.0	8.8	31.5	66.8	95.5	100.0		100.0	98.9	79.5	29.8	10.8	61.4
GE 40	21.0	24.8	57.5	86.6	99.4				100.0	94.9	54.8	24.2	72.7
GE 35	40.9	53.3	80.0	98.2	100.0					99.3	78.9	49.5	83.9
GF 33	52.4	62.7	85.8	99.3						99.7	88.1	60.6	87.8
GF 30	63.5	73.5	92.0	99.7						100.0	93.5	71.8	91.5
GE 25	78.3	89.6	97.7	100.0							98.3	86.5	96.0
GE 20	87.5	94.5	99.0								99.7	94.9	98.0
GE 15	93.2	97.7	99.9								100.0	97.8	99.1
GE 10	96.5	99.5	100.0									98.9	99.6
GE 5	99.0	100.0										99.9	99.9
GE 0	99.9											100.0	100.0
GE -5	100.0												100.0
MEAN	31.4	34.2	40.7	48.2	55.8	61.5	64.7	63.9	58.2	50.3	40.4	33.9	48.8
SD	9.77	8.04	7.83	7.38	6.72	6.61	6.44	5.77	6.25	6.91	7.26	8.74	13.84
TOTAL OBS	695	657	779	738	727	708	740	775	713	743	691	719	8685

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
59			65*	74*	78*	81*	93*	88*	79*	69*	56*	49*	93*
60	48*	67*	69*	72*	80*	83*	81*	85*	75*	72*	63*	51*	85*
61	51*	60*	70*	75*	81*	85*	88*	84*	87*	76*	58*	61*	88*
62	48*	48*	52	79	70	82	86	92	80	75	65	43	92*
63	38	35	53	66	74	80	86	89	77	67	62	42	89
64	39	56*	57	77	83	89	94	94	87	69	55	53	94*
65	47*	39	60	66	76	85	90	83	76	68	62	57*	90*
66	56	58*	54	71	81	85	82	91	82	85	63	50	91*
67	54	58	59	69	80	90	88	87	80	75	58	52	90
68	48	50	75	84	79	82*	86*	81*	79*	72*	66*	45*	86*
69	46*	45*	57*	72*	88*	82*	91	88	79	70	57	36	91*
70	43	45	55	70	75*	84*	86*	88*	82	73	63	48	88*
71	46*	46*	55*	75*	84*	84*	91*	91*	78*	68*	60*	51*	91*
72	42*	48*	68*	60*	73*	82*	91*	87*	78*	68*	60*	50*	91*
73	42*	42*	64*	66*	78*	86*	87*	87*	89*	71*	55*	44*	89*
74	53*	57*	69*	71*	71*	77*	80*	91*	80*	53*	57*	55*	91*
75	53*	57*	57*	71*	73*	82*	87*	86*	87*	66*	48*	50*	87*
76	46*	48*	60*	71*	82*	89*	96*	82*	78	71*	55*	46*	96*
77	50*	55*	64*	69*	78*	87*	87*	80*	77*	77*	62*	46*	87*
78	44*	51*	66*	64*	75*	84*	86*	75*	71*	69*	51*	53*	86*
79	37*	50*	62*	62*	84*	80*	75*	84*	77*	72*	54*	61*	84*
80	48*	52*	61*	72*	72*	84*	82*	82*	77*	70*	59*	48*	84*
81	36*	45*	66*	72*	81*	86*	82*	88*	79*	57*	55*	46*	88*
82	52*	52*	63*	68*	81*	88*	86*	84*	86*	59*	64*	54*	88*
83	54*	54*	59*	70*	79*	84*	97*	84*	82*	77*	57*	48*	97*
84	46*	43*	57*	66*	75*	82*	95*	82*	75*	68*	52*	43*	95*
85	46*	46*	52*	72*	73*	79*	90*	91*	79*	82*	59*	61*	91*
86	50*	37*	61*	72*	77*	84*	86*	81*	77*	73*	59*	52*	86*
87	39*	50*	57*	79*	73*	88*	82*	86*	82*	70*	55*	57*	88*
88	55*	50*	59*	75*	81*	79*	86*	84*	81*	68*	50*	50*	86*
89	46*	50*	73*	72*	77*	81*	84*	91*	84*	75*	59*	57*	91*
90	55*	63*	72*	70*	77*	86*	86*	88*	75*	73*	52*	46*	88*

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

MONTH: ALL      HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	56	67	75	84	88	90	97	94	89	85	66	61	97
TOTAL OBS	695	657	779	738	727	708	740	775	713	743	691	719	8685

THE GREATEST VALUE OF 97 OCCURRED ON 07/26/83

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
59			30*	27*	40*	45*	53*	46*	38*	25*	28*	27*	25*
60	34*	9*	24*	30*	29*	43*	43*	51*	30*	33*	24*	23*	9*
61	12*	29*	29*	35*	38*	45*	44*	46*	48*	35*	19*	5*	5*
62	11*	9*	8	34	30	34	47	43	36	26	14	-6	-6*
63	-11	-5	3	28	39	43	45	45	41	23	28	3	-11
64	1	17*	17	29	38	45	41	41	30	26	30	17	1*
65	17*	10	1	30	34	45	47	44	36	21	18	27*	1*
66	0	27*	24	35	41	43	48	45	36	25	23	23	0*
67	6	16	28	28	33	41	49	44	41	32	25	17	6
68	0	16	16	23	34	43*	48*	45*	43*	34*	25*	10*	0*
69	18*	10*	21*	30*	39*	43*	46	48	36	34	27	0	0*
70	18	5	14	23	36*	39*	46*	45*	34	30	28	16	5*
71	0*	12*	1*	30*	41*	44*	44*	46*	33*	28*	28*	21*	0*
72	6*	17*	26*	21*	35*	46*	48*	42*	32*	21*	26*	19*	6*
73	19*	15*	24*	28*	35*	41*	50*	46*	37*	26*	21*	-5*	-5*
74	26*	26*	30*	30*	35*	44*	53*	51*	39*	30*	26*	30*	26*
75	28*	23*	28*	26*	39*	44*	50*	48*	44*	30*	15*	10*	10*
76	0*	21*	12*	30*	42*	44*	48*	44*	42	35*	30*	0*	0*
77	21*	21*	19*	26*	35*	35*	50*	48*	37*	32*	15*	17*	15*
78	23*	12*	28*	28*	35*	42*	44*	41*	39*	28*	21*	14*	12*
79	0*	23*	30*	30*	30*	59*	44*	42*	37*	28*	27*	28*	0*
80	10*	21*	27*	34*	28*	46*	41*	41*	39*	27*	23*	10*	10*
81	7*	18*	34*	27*	39*	46*	50*	46*	45*	36*	28*	14*	7*
82	-11*	18*	28*	27*	36*	46*	48*	46*	43*	37*	36*	30*	-11*
83	28*	10*	25*	34*	41*	46*	48*	52*	41*	34*	19*	12*	10*
84	14*	19*	19*	27*	36*	43*	45*	48*	37*	36*	25*	30*	14*
85	0*	-4*	27*	30*	39*	48*	48*	45*	37*	27*	18*	3*	-4*
86	12*	3*	25*	25*	45*	43*	48*	46*	36*	32*	30*	14*	3*
87	-2*	5*	7*	32*	36*	48*	52*	45*	28*	36*	27*	10*	-2*
88	28*	28*	27*	36*	48*	46*	54*	46*	43*	27*	9*	19*	9*
89	25*	25*	28*	34*	36*	39*	45*	41*	41*	28*	21*	14*	14*
90	23*	28*	27*	25*	34*	48*	45*	43*	36*	30*	27*	19*	19*

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

[illegible]

THE LEAST VALUE OF -11 OCCURRED ON 01/18/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
59			46*	51*	58*	62*	70*	66*	58*	48*	40*	36*	54*
60	41*	34*	42*	48*	57*	62*	62*	63*	55*	51*	44*	35*	50*
61	32	41*	45*	56*	53*	62*	61*	63*	64*	54*	41*	34*	51*
62	36*	32*	34	50	52	59	62	65	57	50	37	26	47*
63	18	21	38	50	54	62	65	62	59	48	47	26	46
64	25	35*	36	51	58	66	68	64	60	47	42	34	49*
65	34*	29	38	46	54	62	62	61	57	48	37	38*	48*
66	27	43*	39	52	57	64	61	62	58	55	37	36	49*
67	35	38	43	46	56	60	68	63	59	56	40	32	50
68	30	36	41	49	53	63*	64*	63*	58*	52*	38*	29*	48*
69	34*	29*	38*	47*	58*	60*	67	64	58	51	43	25	48*
70	30	32	36	44	54*	64*	64*	64*	59	50	44	34	48*
71	29*	35*	33*	50*	61*	59*	65*	67*	55*	49*	40*	38*	48*
72	29*	36*	45*	45*	54*	59*	65*	62*	52*	46*	41*	34*	48*
73	31*	33*	39*	42*	57*	63*	64*	66*	60*	47*	38*	31*	48*
74	40*	38*	45*	48*	53*	60*	63*	65*	58*	42*	41*	41*	50*
75	40*	37*	40*	47*	57*	60*	68*	67*	64*	47*	37*	33*	50*
76	34*	35*	37*	49*	60*	64*	68*	63*	57	51*	42*	29*	49*
77	34*	39*	45*	44*	55*	62*	62*	63*	55*	51*	43*	34*	49*
78	34*	32*	45*	45*	52*	61*	63*	60*	55*	46*	38*	33*	47*
79	24*	35*	43*	44*	55*	67*	61*	62*	58*	50*	42*	42*	47*
80	30*	39*	42*	47*	53*	60*	60*	65*	60*	50*	39*	32*	48*
81	26*	33*	49*	49*	56*	62*	64*	64*	59*	47*	41*	32*	50*
82	26*	32*	42*	48*	56*	63*	67*	66*	63*	50*	48*	40*	50*
83	39*	32*	42*	52*	54*	63*	74*	69*	62*	53*	38*	32*	50*
84	34*	34*	40*	44*	52*	58*	64*	63*	55*	55*	41*	37*	48*
85	23*	29*	39*	51*	59*	59*	65*	64*	61*	51*	34*	41*	48*
86	34*	21*	43*	49*	62*	61*	64*	64*	55*	51*	44*	38*	49*
87	23*	33*	34*	49*	50*	61*	66*	63*	63*	52*	43*	37*	48*
88	40*	38*	40*	53*	62*	63*	68*	66*	58*	53*	37*	39*	52*
89	36*	37*	48*	47*	58*	59*	66*	64*	59*	51*	38*	37*	50*
90	37*	43*	46*	47*	59*	63*	63*	66*	55*	51*	41*	34*	51*

OPERATING LOCATION 'A' MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: -01

PERIOD OF RECORD: 5903-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	31.4	34.2	40.7	48.2	55.8	61.5	64.7	63.9	58.2	50.3	40.4	33.9	48.8
TOTAL OBS	695	657	779	738	727	708	740	775	713	743	691	719	8685

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	30.4	9.805	632	13	347	0	0	0	632
09-11	31.0	10.252	778	12	415	0	0	0	778
12-14	33.8	9.397	844	2	345	0	0	0	844
15-17	33.9	9.153	817	1	334	0	0	0	817
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	32.4	9.714	3071	28	1441	0	0	0	3071

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	31.1	9.056	526	0	288	0	0	0	526
09-11	32.2	9.086	726	2	370	0	0	0	726
12-14	36.0	8.365	819	0	307	0	0	0	819
15-17	37.0	8.128	789	0	264	0	0	0	789
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	34.5	9.048	2860	2	1229	0	0	0	2860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	37.5	7.788	653	0	152	0	0	0	653
09-11	41.3	8.174	835	0	103	2	0	0	835
12-14	45.8	8.486	917	0	34	16	0	0	917
15-17	46.7	8.548	898	0	16	20	0	0	898
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	43.3	8.987	3303	0	305	38	0	0	3303

MONTH: APR

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	40.8	6.400	602	0	52	0	0	0	602
09-11	47.8	7.638	768	0	8	8	0	0	768
12-14	52.3	9.032	834	0	3	67	0	0	834
15-17	53.2	9.412	688	0	3	75	0	0	688
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	48.9	9.520	2892	0	66	150	0	0	2892

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	50.2	6.720	677	0	3	8	0	0	677
09-11	57.3	7.762	797	0	0	130	0	0	797
12-14	60.9	9.163	800	0	0	271	9	0	800
15-17	62.7	9.854	599	0	0	267	18	0	599
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	57.8	9.556	2873	0	3	676	27	0	2873

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	56.4	6.085	659	0	0	52	0	0	659
09-11	62.4	7.528	752	0	0	250	8	0	752
12-14	65.8	8.489	751	0	0	355	51	0	751
15-17	67.1	8.585	560	0	0	297	57	0	560
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	62.9	8.735	2722	0	0	954	116	0	2722

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	59.2	5.869	742	0	0	105	1	0	742
09-11	66.2	7.643	856	0	0	444	35	2	856
12-14	70.3	8.599	850	0	0	589	133	6	850
15-17	71.1	8.750	623	0	0	439	101	9	623
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	66.7	9.004	3071	0	0	1577	270	17	3071

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	57.9	6.274	805	0	0	80	0	0	805
09-11	65.7	7.258	890	0	0	449	29	0	890
12-14	70.3	8.338	890	0	0	620	123	3	890
15-17	71.6	8.598	700	0	0	518	129	3	700
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	66.3	9.297	3285	0	0	1667	281	6	3285



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	51.3	6.740	745	0	3	13	0	0	745
09-11	58.2	7.078	779	0	0	130	0	0	779
12-14	63.7	8.086	794	0	0	310	19	0	794
15-17	64.6	8.337	671	0	0	303	32	0	671
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	59.4	9.201	2989	0	3	756	51	0	2989

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	45.0	7.412	687	0	47	0	0	0	687
09-11	49.8	7.125	773	0	6	15	0	0	773
12-14	55.4	7.771	802	0	2	96	4	0	802
15-17	55.9	8.085	789	0	2	105	4	0	789
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	51.7	8.799	3051	0	57	216	8	0	3051

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	37.4	7.839	586	0	168	0	0	0	586
09-11	39.3	7.854	728	0	148	0	0	0	728
12-14	42.6	8.091	750	0	89	0	0	0	750
15-17	42.4	7.998	730	0	84	0	0	0	730
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	40.6	8.165	2794	0	489	0	0	0	2794

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	32.4	9.617	533	0	246	0	0	0	533
09-11	34.5	9.011	808	1	314	0	0	0	808
12-14	37.1	8.536	749	0	230	0	0	0	749
15-17	37.2	8.247	605	0	189	0	0	0	605
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	35.4	9.053	2695	1	979	0	0	0	2695

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	45.2	12.654	7847	13	1306	258	1	0	7847
09-11	49.2	14.947	9490	15	1364	1428	72	2	9490
12-14	52.9	15.561	9800	2	1010	2324	339	9	9800
15-17	52.6	15.784	8469	1	892	2024	341	12	8469
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	50.2	15.166	35606	31	4572	6034	753	23	35606

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	29.3	9.270	632	397	0	0	0	0	632
09-11	29.6	9.623	778	472	1	0	0	0	778
12-14	31.7	8.665	844	437	6	0	0	0	844
15-17	31.8	8.516	817	422	6	0	0	0	817
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	30.7	9.075	3071	1728	13	0	0	0	3071

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	30.0	8.434	525	305	3	0	0	0	525
09-11	30.6	8.542	726	405	6	0	0	0	726
12-14	33.3	7.559	819	376	12	0	0	0	819
15-17	34.0	7.359	789	334	8	0	0	0	789
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	32.2	8.115	2859	1420	29	0	0	0	2859

E - 5 - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	35.7	7.259	653	188	11	0	0	0	653
09-11	38.4	7.076	835	147	61	0	0	0	835
12-14	41.0	6.817	917	87	120	0	0	0	917
15-17	41.5	6.720	898	65	122	1	0	0	898
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	39.4	7.282	3303	487	314	1	0	0	3303

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	38.6	5.903	601	89	19	0	0	0	601
09-11	43.1	6.062	768	22	132	0	0	0	768
12-14	45.5	6.569	834	9	258	0	0	0	834
15-17	45.9	6.744	688	5	223	0	0	0	688
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	43.5	6.939	2891	125	632	0	0	0	2891

E - 5 - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL	
LST		DEVIATION	OBS	LE 32	GE 50	GE 67	GE 73	GE 80	HOURS	
00-02	.0	.000	0	0	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	0	0	
06-08	47.0	6.003	677	9	248	0	0	0	677	
09-11	51.1	5.992	797	2	498	0	0	0	797	
12-14	52.6	6.404	800	0	553	0	0	0	800	
15-17	53.5	6.583	599	0	431	3	0	0	599	
18-20	.0	.000	0	0	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	0	0	
ALL										
HOURS	51.0	6.711	2873	11	1730	3	0	0	2873	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	0	0	
06-08	53.2	5.455	659	0	506	2	0	0	659	
09-11	56.2	5.627	752	0	668	27	2	0	752	
12-14	57.3	5.610	751	0	700	42	1	0	751	
15-17	57.8	5.459	560	0	530	29	3	0	560	
18-20	.0	.000	0	0	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	0	0	
ALL										
HOURS	56.1	5.836	2722	0	2404	100	6	0	2722	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	55.6	4.929	742	0	669	9	1	0	742
09-11	59.1	5.172	856	0	840	65	9	0	856
12-14	60.5	5.128	850	0	842	103	11	0	850
15-17	60.5	5.030	623	0	618	74	8	0	623
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	58.9	5.393	3071	0	2969	251	29	0	3071

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	54.9	5.222	805	0	684	6	0	0	805
09-11	58.9	4.908	890	0	865	50	1	0	890
12-14	60.5	5.239	890	0	879	119	4	0	890
15-17	60.8	5.186	700	0	690	96	5	0	700
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	58.7	5.681	3285	0	3118	271	10	0	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	49.3	6.049	744	3	367	0	0	0	744
09-11	53.5	5.636	779	0	592	8	0	0	779
12-14	56.0	5.959	794	0	685	34	0	0	794
15-17	56.0	5.771	671	0	593	21	2	0	671
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	53.7	6.479	2988	3	2237	63	2	0	2988

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.3	6.817	687	54	143	0	0	0	687
09-11	46.6	6.123	773	7	272	0	0	0	773
12-14	50.0	5.969	802	4	433	0	0	0	802
15-17	50.3	6.114	789	6	440	0	0	0	789
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	47.7	6.859	3051	71	1288	0	0	0	3051



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	36.0	7.196	585	185	15	0	0	0	585
09-11	37.4	7.047	728	171	29	0	0	0	728
12-14	39.7	6.964	750	115	62	0	0	0	750
15-17	39.6	6.914	730	113	58	0	0	0	730
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	38.3	7.169	2793	584	164	0	0	0	2793

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	31.2	9.051	533	268	3	0	0	0	533
09-11	32.9	8.430	808	358	10	0	0	0	808
12-14	34.9	7.646	748	270	22	0	0	0	748
15-17	35.0	7.323	605	225	13	0	0	0	605
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	33.6	8.208	2694	1121	48	0	0	0	2694

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEC F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.0	11.639	7843	1498	2668	17	1	0	7843
09-11	45.1	12.572	9490	1584	3974	150	12	0	9490
12-14	47.0	12.217	9799	1298	4572	298	16	0	9799
15-17	46.5	12.136	8469	1170	3732	224	18	0	8469
18-20	.0	.000	0	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	45.5	12.262	35601	5550	14946	689	47	0	35601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	27.1	9.799	632	254	86	632	0	632
09-11	26.9	10.174	778	313	115	778	0	778
12-14	28.2	9.434	844	336	147	844	0	844
15-17	28.4	9.285	817	315	131	817	0	817
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	27.7	9.709	3071	1218	479	3071	0	3071

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	819
03-05	.0	.000	0	0	0	0	0	819
06-08	27.8	8.876	525	236	84	525	0	819
09-11	27.7	9.113	726	320	112	726	0	819
12-14	28.9	8.439	819	328	144	819	0	819
15-17	29.3	8.364	789	291	150	789	0	819
18-20	.0	.000	0	0	0	0	0	819
21-23	.0	.000	0	0	0	0	0	819
ALL HOURS	28.5	8.729	2859	1175	490	2859	0	2859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	33.3	7.786	653	131	212	653	0	653
09-11	34.7	7.450	835	128	327	835	0	835
12-14	35.3	7.459	917	123	375	916	0	917
15-17	35.3	7.389	898	113	362	894	0	898
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	34.7	7.553	3303	495	1276	3298	0	3303

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	834
03-05	.0	.000	0	0	0	0	0	834
06-08	35.7	6.607	601	59	265	601	0	834
09-11	37.8	6.737	768	52	439	768	0	834
12-14	38.1	7.246	834	65	469	830	0	834
15-17	38.0	7.492	688	56	377	683	0	834
18-20	.0	.000	0	0	0	0	0	834
21-23	.0	.000	0	0	0	0	0	834
ALL HOURS	37.5	7.154	2891	232	1550	2882	0	2891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	43.8	6.524	677	7	580	669	0	677
09-11	45.5	6.937	797	7	700	773	0	797
12-14	45.2	7.322	800	11	689	778	0	800
15-17	45.6	7.588	599	7	506	577	0	599
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	45.0	7.164	2873	32	2475	2797	0	2873

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	751
03-05	.0	.000	0	0	0	0	0	751
06-08	50.5	5.626	659	0	652	553	0	751
09-11	51.5	5.985	752	0	747	600	5	751
12-14	50.9	6.251	751	0	744	618	8	751
15-17	50.9	6.136	560	0	554	456	5	751
18-20	.0	.000	0	0	0	0	0	751
21-23	.0	.000	0	0	0	0	0	751
ALL HOURS	51.0	6.055	2722	0	2697	2227	18	2722

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	52.9	5.021	742	0	742	555	4	742
09-11	54.0	5.343	856	0	856	574	16	856
12-14	53.7	5.390	850	0	850	589	18	850
15-17	53.1	5.537	623	0	623	459	16	623
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	53.5	5.372	3071	0	3071	2177	54	3071

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	890
03-05	.0	.000	0	0	0	0	0	890
06-08	52.6	5.211	805	0	805	585	0	890
09-11	54.1	5.294	890	0	890	566	9	890
12-14	53.7	5.879	890	0	888	577	17	890
15-17	53.3	5.975	700	0	696	480	15	890
18-20	.0	.000	0	0	0	0	0	890
21-23	.0	.000	0	0	0	0	0	890
ALL HOURS	53.5	5.640	3285	0	3279	2208	41	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	47.6	5.949	744	0	719	678	1	744
09-11	49.7	5.963	779	0	775	663	6	779
12-14	50.0	6.515	794	0	783	664	15	794
15-17	49.3	6.270	671	0	563	588	10	671
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	49.2	6.280	2988	0	2940	2593	32	2988

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	802
03-05	.0	.000	0	0	0	0	0	802
06-08	41.8	6.905	687	23	544	685	0	802
09-11	43.7	6.248	773	7	680	763	0	802
12-14	45.0	6.411	802	3	738	783	0	802
15-17	45.2	6.551	789	5	722	761	0	802
18-20	.0	.000	0	0	0	0	0	802
21-23	.0	.000	0	0	0	0	0	802
ALL HOURS	44.0	6.709	3051	38	2684	2992	0	3051

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL COUNT	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	34.1	7.334	585	89	215	585	0	585
09-11	35.0	7.060	728	99	308	728	0	728
12-14	36.3	7.071	750	84	378	750	0	750
15-17	36.3	7.007	730	83	372	730	0	730
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	35.5	7.183	2793	355	1273	2793	0	2793

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	748
03-05	.0	.000	0	0	0	0	0	748
06-08	29.0	9.531	533	211	123	533	0	748
09-11	30.3	8.885	808	267	186	808	0	748
12-14	31.5	8.212	748	202	194	748	0	748
15-17	31.8	7.833	605	161	160	605	0	748
18-20	.0	.000	0	0	0	0	0	748
21-23	.0	.000	0	0	0	0	0	748
ALL HOURS	30.7	8.685	2694	841	663	2694	0	2694



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	40.7	11.761	7843	1010	5027	7254	5	7843
09-11	41.2	12.156	9490	1193	6135	8582	36	9490
12-14	41.4	11.691	9799	1152	6399	8916	58	9799
15-17	40.7	11.474	8469	1031	5316	7839	46	8469
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	41.0	11.785	35601	4386	22877	32591	145	35601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.7	99.4	97.5	80.7	44.1	87.1	632
09-11	100.0	100.0	100.0	100.0	100.0	98.7	95.0	70.8	31.7	84.3	778
12-14	100.0	100.0	100.0	99.8	99.2	96.2	85.3	53.8	15.3	79.3	844
15-17	100.0	100.0	100.0	99.6	98.2	94.9	85.3	55.1	15.1	79.4	817
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	100.0	99.8	99.2	97.1	90.3	64.0	25.3	82.2	3071

MONTH: FEB

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.2	97.1	83.0	40.4	86.8	525
09-11	100.0	100.0	100.0	99.9	99.4	96.0	88.3	65.8	29.1	82.7	726
12-14	100.0	100.0	100.0	99.1	95.5	84.7	70.7	44.6	10.1	75.0	819
15-17	100.0	100.0	100.0	98.0	93.0	80.6	64.8	42.6	14.1	73.7	789
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	100.0	99.2	96.6	89.1	78.4	56.5	21.6	78.7	2859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 ~ AUG 91  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.2	94.6	72.7	30.8	84.6	653
09-11	100.0	100.0	100.0	99.9	97.7	91.5	75.6	49.6	15.6	77.6	835
12-14	100.0	100.0	99.7	97.2	88.2	68.3	47.0	26.2	5.6	67.8	917
15-17	100.0	100.0	99.2	95.5	84.0	64.1	38.9	23.2	5.6	65.7	898
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.7	98.0	91.8	79.1	61.4	40.5	13.1	73.0	3303

MONTH: APR

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.8	99.0	95.3	84.9	66.2	26.8	82.1	601
09-11	100.0	100.0	99.9	96.5	87.9	71.2	55.1	32.6	9.8	70.0	768
12-14	100.0	100.0	97.2	88.5	70.3	51.2	33.0	18.1	4.4	60.8	834
15-17	100.0	99.9	95.8	85.2	66.3	45.3	30.8	16.3	4.4	58.9	688
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	98.2	92.2	80.0	64.3	49.1	31.5	10.5	67.2	2891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	98.4	93.9	81.2	56.9	15.8	79.3	677
09-11	100.0	100.0	99.6	96.7	87.0	63.1	42.0	23.5	5.0	66.4	797
12-14	100.0	100.0	97.9	86.3	65.9	41.9	28.1	16.0	4.3	58.8	800
15-17	100.0	100.0	95.8	79.8	60.9	39.7	24.0	15.0	5.5	56.5	599
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	98.4	91.1	78.4	59.6	43.6	27.5	7.4	65.2	2873

MONTH: JUN

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	98.2	88.3	57.8	14.7	81.1	659
09-11	100.0	100.0	100.0	99.1	93.9	72.5	46.3	23.0	5.3	68.9	752
12-14	100.0	100.0	99.3	92.3	76.2	45.0	27.2	12.9	2.8	60.5	751
15-17	100.0	100.0	98.2	88.9	68.9	44.5	23.4	9.6	1.8	58.3	560
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.4	95.3	85.3	65.4	46.5	25.9	6.2	67.4	2722

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.9	97.7	83.4	57.5	12.3	80.2	742
09-11	100.0	100.0	100.0	97.9	90.1	68.1	37.1	19.7	4.6	66.4	856
12-14	100.0	100.0	99.2	90.1	66.2	42.1	22.2	10.5	1.9	57.8	850
15-17	100.0	100.0	98.6	84.4	59.9	33.7	18.6	11.1	1.1	55.4	623
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.5	93.5	79.7	61.1	40.4	24.6	5.0	65.1	3071

MONTH: AUG

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.5	97.9	89.7	70.2	22.5	83.3	805
09-11	100.0	100.0	100.0	98.7	90.3	70.3	43.5	22.6	5.6	67.9	890
12-14	100.0	100.0	99.7	89.4	67.1	40.9	21.9	10.3	3.0	57.9	890
15-17	100.0	100.0	97.7	84.9	56.9	34.9	18.0	8.9	2.3	54.7	700
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.4	93.5	79.1	61.6	43.5	28.0	8.3	66.2	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.2	95.3	83.5	37.9	87.4	744
09-11	100.0	100.0	100.0	99.7	97.4	86.8	65.3	37.7	7.6	74.6	779
12-14	100.0	100.0	100.0	97.7	80.2	57.2	29.6	10.5	2.8	62.6	794
15-17	100.0	100.0	99.9	95.1	73.8	44.4	22.5	9.1	1.9	59.3	671
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	100.0	98.2	88.2	72.5	53.7	35.4	12.6	71.2	2988

MONTH: OCT

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.5	86.2	46.7	88.9	687
09-11	100.0	100.0	100.0	100.0	99.0	94.3	82.8	57.8	17.5	80.4	773
12-14	100.0	100.0	100.0	97.9	92.9	73.6	51.2	27.8	7.0	69.6	802
15-17	100.0	100.0	99.6	97.5	91.4	72.4	49.8	26.4	6.0	69.0	789
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.9	98.8	95.6	84.5	69.3	48.2	18.3	76.5	3051

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	98.6	95.9	82.7	46.3	88.0	585
09-11	100.0	100.0	100.0	100.0	100.0	99.2	94.4	71.0	33.0	84.8	728
12-14	100.0	100.0	100.0	100.0	99.5	94.9	79.3	51.1	17.3	78.8	750
15-17	100.0	100.0	100.0	99.9	99.0	94.2	80.4	54.7	20.5	79.4	730
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	100.0	100.0	99.6	96.6	87.0	63.8	28.3	82.4	2793

MONTH: DEC

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	98.9	96.1	78.8	41.3	86.6	533
09-11	100.0	100.0	100.0	100.0	99.5	97.8	92.6	74.3	27.7	84.2	808
12-14	100.0	100.0	100.0	99.5	97.5	92.9	84.6	59.0	17.9	80.0	748
15-17	100.0	100.0	99.8	99.7	97.9	93.7	85.6	61.8	21.8	80.8	605
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	100.0	99.8	98.6	95.7	89.5	68.1	26.4	82.8	2694

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520 STATION NAME: ILLESHEIM AIN DL PERIOD OF RECORD: SEP 76 - AUG 91  
LST TO UTC: - 1 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.7	98.1	91.5	72.6	30.9	84.5	7843
09-11	100.0	100.0	100.0	99.0	95.1	83.8	67.5	45.1	15.7	75.5	9490
12-14	100.0	100.0	99.4	94.7	83.0	65.4	47.9	28.0	7.6	67.2	9799
15-17	100.0	100.0	98.8	92.9	80.3	63.3	46.5	28.6	8.5	66.5	8469
18-20										.0	0
21-23										.0	0
ALL HOURS	100.0	100.0	99.5	96.6	89.2	77.0	62.4	42.5	15.1	73.0	35601



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.04	29.98	30.02	29.95	29.99	30.02	30.07	30.06	30.11	30.06	30.05	30.03	30.03
	SD	.364	.372	.310	.245	.224	.159	.143	.145	.187	.262	.305	.391	.263
	TOT OBS	197	166	209	199	230	226	254	286	259	233	197	157	2613
1000	MEAN	30.04	29.99	30.00	29.97	29.99	30.03	30.07	30.06	30.12	30.09	30.08	30.02	30.04
	SD	.351	.355	.301	.231	.218	.154	.144	.144	.192	.269	.304	.388	.270
	TOT OBS	256	236	278	256	265	251	284	293	258	260	243	269	3149
1300	MEAN	30.03	30.01	29.99	29.96	29.97	30.02	30.06	30.05	30.11	30.07	30.06	30.02	30.03
	SD	.355	.346	.297	.226	.216	.155	.138	.140	.187	.264	.292	.366	.264
	TOT OBS	282	279	313	277	265	247	283	297	265	268	248	241	3265
1600	MEAN	30.03	29.99	29.97	29.93	29.94	30.00	30.06	30.04	30.08	30.06	30.05	30.01	30.01
	SD	.353	.337	.293	.218	.209	.152	.133	.133	.189	.259	.293	.359	.262
	TOT OBS	279	268	302	264	229	217	242	272	248	266	244	200	3031
1900	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	30.03	29.99	29.99	29.95	29.97	30.02	30.07	30.05	30.11	30.07	30.06	30.02	30.03
	SD	.355	.350	.300	.230	.217	.156	.140	.141	.189	.264	.299	.376	.265
	TOT OBS	1014	949	1102	996	989	941	1063	1148	1030	1027	932	867	12058

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	28.90	28.85	28.87	28.82	28.84	28.89	28.92	28.92	28.96	28.91	28.92	28.88	28.89
	SD	.355	.359	.299	.236	.219	.151	.138	.142	.183	.263	.293	.379	.256
	TOT OBS	199	170	207	198	232	227	257	287	255	233	196	152	2613
1000	MEAN	28.90	28.85	28.86	28.83	28.85	28.89	28.93	28.92	28.98	28.95	28.94	28.88	28.90
	SD	.341	.344	.292	.224	.212	.149	.140	.140	.187	.260	.294	.377	.261
	TOT OBS	257	235	279	255	265	251	284	293	258	260	245	267	3149
1300	MEAN	28.89	28.86	28.84	28.82	28.83	28.88	28.92	28.91	28.97	28.93	28.93	28.88	28.89
	SD	.344	.334	.289	.218	.210	.150	.134	.135	.181	.257	.282	.356	.256
	TOT OBS	284	278	311	277	265	248	282	297	268	266	250	239	3265
1600	MEAN	28.88	28.85	28.83	28.79	28.80	28.86	28.91	28.90	28.94	28.92	28.90	28.87	28.87
	SD	.343	.327	.284	.211	.203	.148	.130	.129	.183	.251	.284	.348	.254
	TOT OBS	279	268	302	264	229	217	242	272	248	266	244	200	3031
1900	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	28.89	28.86	28.85	28.81	28.83	28.88	28.92	28.91	28.96	28.93	28.92	28.87	28.89
	SD	.345	.339	.291	.222	.212	.150	.136	.137	.184	.258	.288	.365	.257
	TOT OBS	1019	951	1099	994	991	943	1065	1149	1029	1025	935	858	12058

F - 4 - 1

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	3.8			632	4.6			778
CATEGORY B				0				0	5.1			702	7.0			862

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.1			844	3.3			817				0				0
CATEGORY B	7.5			922	5.6	.2		893				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.2			3071	4.2			3071
CATEGORY B	6.4	.1		3379	6.4	.1		3379

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: FEB

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	2.1			526	4.1			726
CATEGORY B				0				0	4.6			614	7.4	.4		855

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.5			819	3.3			789				0				0
CATEGORY B	8.7	.1		924	6.0			862				0				0

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.9			2860	3.9			2860
CATEGORY B	6.9	.1		3255	6.9	.1		3255

G - 2 - 2



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAR

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

.....  
CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

.....  
TIME (LST)                      0000 - 0200                      0300 - 0500                      0600 - 0800                      0900 - 1100  
SPEED (KTS)                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS  
CATEGORY A    0    0                      3.4    653                      5.9    835  
CATEGORY B    0    0                      4.4    709                      7.1    932  
.....

.....  
TIME (LST)                      1200 - 1400                      1500 - 1700                      1800 - 2000                      2100 - 2300  
SPEED (KTS)                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS                      GE10 GE25 GE35 OBS  
CATEGORY A                      6.8    917                      4.2    898    0    0  
CATEGORY B                      10.5    1014                      7.1    996    0    0  
.....

.....  
TIME (LST)    0600 - 2000    ALL      HOURS  
SPEED KTS    GE10 GE25 GE35      OBS    GE10 GE25 GE35      OBS  
CATEGORY A    5.2    3303    5.2    3303  
CATEGORY B    7.5    3651    7.5    3651  
.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: APR

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	1.0			602	3.8			768
CATEGORY B				0				0	1.5			650	5.7			830

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.4			834	5.2			688				0				0
CATEGORY B	8.5			890	8.6			744				0				0

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.0			2892	4.0			2892
CATEGORY B	6.3			3114	6.3			3114

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	1.2			677	3.0			797
CATEGORY B				0				0	1.3			715	4.0			843

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.9			799	4.0			599				0				0
CATEGORY B	7.0			846	4.8			631				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.6			2872	3.6			2872
CATEGORY B	4.3			3035	4.3			3035

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	.5			658	4.0			752
CATEGORY B				0				0	1.2			735	4.4			837

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.7			751	3.9			560				0				0
CATEGORY B	7.1			820	5.5			603				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.6			2721	3.6			2721
CATEGORY B	4.6			2995	4.6			2995

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	.5			742	2.8			856
CATEGORY B				0				0	.6			793	3.9			905

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.3			850	6.1			623				0				0
CATEGORY B	8.0			907	8.8	.1		667				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.6			3071	3.6			3071
CATEGORY B	5.3	.0		3272	5.3	.0		3272

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: AUG

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CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	.4			805	2.8			891
CATEGORY B				0				0	.6			860	3.9			951

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.7			890	3.4			700				0				0
CATEGORY B	6.7			940	5.8			741				0				0

.....  
.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	2.9			3286	2.9			3286
CATEGORY B	4.2			3492	4.2			3492

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	.4			745	3.0			779
CATEGORY B				0				0	.8			827	4.5			859

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.3			794	4.2			672				0				0
CATEGORY B	5.9			842	4.9			699				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	2.9			2990	2.9			2990
CATEGORY B	4.0			3227	4.0			3227

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	1.9			687	2.2			773
CATEGORY B				0				0	2.8			778	3.4	.1		863

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.2			802	2.2			790				0				0
CATEGORY B	8.0			879	3.7			834				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	2.9			3052	2.9			3052
CATEGORY B	4.5	.0		3354	4.5	.0		3354



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	2.9			586	2.9			728
CATEGORY B				0				0	4.4			682	4.6			823

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.6			750	2.3			730				0				0
CATEGORY B	5.5			825	3.0			793				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	2.9			2794	2.9			2794
CATEGORY B	4.4			3123	4.4			3123

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	5.1			533	4.2			808
CATEGORY B				0				0	5.4			577	6.7			926

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.5			749	4.1			605				0				0
CATEGORY B	6.0	.1		816	5.7			671				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	4.5			2695	4.5			2695
CATEGORY B	6.0	.0		2990	6.0	.0		2990

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: SEP 76 - AUG 91  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A				0				0	1.8			7846	3.6			9491
CATEGORY B				0				0	2.6			8642	5.2	.0		10486

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	5.2			9799	3.8			8471				0				0
CATEGORY B	7.5	.0		10625	5.8	.0		9134				0				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE25	GE35	OBS	GE10	GE25	GE35	OBS
CATEGORY A	3.7			35607	3.7			35607
CATEGORY B	5.4	.0		38887	5.4	.0		38887



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

## PART H

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 73 - AUG 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN

SD

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 107520

STATION NAME: ILLESHEIM AIN DL  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 73 - AUG 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN |

SD |



A W S LIMITED CLIMATIC BRIEF  NOV 91	STATION NAME: ILLESHEIM AIN DL												FIELD ELEV: 1065 FT	
	LATITUDE/LONGITUDE: 49 28 N 010 23 E												STATION MSC: 107520	
	HOURLY OBS POR: SEP 76 - AUG 91												CALL SIGN: EDIK	
	SUMMARY OF DAY POR: MAR 59-JUL 91												SUPERSEDES: APR 87	
	HOURS SUMMARIZED: 0600 - 1700 LST													
	LST TO UTC: -01													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	56	67	75	84	88	90	97	94	89	85	66	61	97	31
MEAN MAX TEMP (F)	34	38	46	55	63	69	72	72	66	57	44	37	55	31
MEAN TEMP (F)	31	34	41	48	56	62	65	64	58	50	40	34	49	31
MEAN MIN TEMP (F)	28	30	34	41	48	54	57	56	50	43	37	31	42	31
EXTRM MIN TEMP (F)	-11	-5	1	21	28	34	41	41	28	21	9	-6	-11	31
D/W TEMP GE 80 (F)	0	0	0	#	1	4	8	6	2	1	0	0	22	31
D/W TEMP GE 70 (F)	0	0	1	3	8	14	19	18	11	2	0	0	76	31
D/W TEMP LT 33 (F)	19	16	11	3	1	0	0	0	1	3	9	16	79	31
D/W TEMP LT 20 (F)	7	4	2	0	0	0	0	0	0	0	1	4	18	31
HEATING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COOLING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN DEWPOINT TEMP (F)	27	28	34	37	45	51	53	53	49	44	35	30	41	15
MEAN WET BULB TEMP (F)	30	32	39	43	51	56	58	58	53	47	38	33	45	15
99.95% WCPA (FT)	2000	2050	1900	1700	1650	1450	1350	1350	1450	1700	1800	2100	1750	15
MEAN REL HUM 07 LST(%)	87.1	86.8	84.6	82.1	79.3	81.1	80.2	83.3	87.4	88.9	88.0	86.6	84.5	15
MEAN REL HUM 13 LST(%)	79.3	75.0	67.8	60.8	58.8	60.5	57.8	57.9	62.6	69.6	78.8	80.0	67.2	15
MAX 24HR PRECIP (IN)	1.18	.76	.95	1.83	1.40	1.57	1.75	1.73	1.78	3.41	.96	.80	3.41	30
MAX PRECIP (IN)	3.04	3.61	4.88	4.03	4.67	5.01	4.11	4.49	3.57	4.00	2.67	3.30	27.08	30
MEAN PRECIP (IN)	.80	1.14	.82	1.61	1.52	1.50	.93	1.49	.81	.68	.94	.76		30
MIN PRECIP (IN)	.05	.03	.40	.18	.11	.02	.01	.14	.12	.04	.24	.12	4.21	30
D/W PRECIP GE .01 (IN)	14	12	12	13	14	13	12	12	10	10	13	14	149	30
D/W PRECIP GT .50 (IN)	1	1	1	1	2	2	1	1	1	1	1	1	14	30
MAX 24HR SNFL (IN)	6.4	7.0	4.3	6.9	#	0	0	0	0	#	5.4	6.0	7.0	30
MAX SNFL (IN)	13.4	16.6	6.5	8.1	#	0	0	0	0	#	11.5	13.0	42.0	30
MEAN SNFL (IN)	4.9	5.4	1.9	1.0	0	0	0	0	0	#	2.9	4.6		30
D/W SNFL GE .1 (IN)	6	6	3	1	0	0	0	0	0	0	2	5	23	30
D/W SNFL GE 1.5 (IN)	1	1	1	1	0	0	0	0	0	0	1	1	6	30
MAX DLY SNO DEPTH (IN)	8	8	7	5	#	0	0	0	0	0	5	7	8	30
PRVING WND DIR (DEG)	26-28	\$26-28	26-28	26-28	26-28	26-28	26-28	\$26-28	\$26-28	\$26-28	26-28	26-28	26-28	15
MEAN WND SPD (KTS)	7	6	7	6	6	6	5	5	5	5	6	6	6	15
MAX WND SPD (KTS)	54	54	60	50	49	50	60	45	46	47	55	54	60	25
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	#	1	1	1	2	3	2	2	1	1	1	0	15	30
D/W FOG (VSBY LT 7 MI)	22	19	18	16	14	14	15	18	21	24	21	21	223	30
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION														

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	53.3	54.4	44.3	34.8	22.2	18.2	18.1	24.3	43.6	48.8	53.6	48.8	38.7	15
	09 - 11	53.2	50.0	41.2	27.7	19.1	15.4	12.5	14.5	31.5	40.0	51.6	50.4	33.9	15
	12 - 14	47.6	41.4	27.9	19.4	17.3	10.7	7.5	6.0	14.4	26.6	42.0	42.9	25.3	15
	15 - 17	45.9	34.6	22.2	15.0	12.5	7.9	6.1	4.1	7.6	20.4	35.2	43.8	21.3	15
	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ALL	49.8	44.1	32.9	23.8	17.9	13.2	11.2	12.4	24.6	33.4	45.2	46.5	29.4	15
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	38.1	41.8	34.0	30.3	16.7	14.3	14.0	21.1	37.7	41.3	40.4	33.0	30.2	15
	09 - 11	41.4	43.9	31.6	18.7	9.5	8.4	6.8	10.3	24.4	31.8	40.9	35.0	25.2	15
	12 - 14	32.9	34.5	15.6	9.8	7.0	3.2	2.8	3.4	7.9	17.3	32.4	28.2	16.2	15
	15 - 17	31.2	26.0	11.1	7.6	6.7	2.0	2.6	2.4	2.5	13.5	23.3	29.6	13.2	15
	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ALL	35.7	35.9	22.1	15.9	9.9	7.1	6.6	9.4	18.4	25.4	33.9	31.5	20.8	15
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	24.4	30.4	23.7	17.0	9.5	8.5	8.4	13.8	27.2	31.6	28.2	19.7	20.2	15
	09 - 11	25.7	33.3	16.0	7.7	4.3	3.1	2.3	4.3	14.2	21.7	26.4	19.1	14.8	15
	12 - 14	21.3	21.6	7.9	3.5	2.5	.7	.5	1.0	4.4	9.1	17.2	12.7	8.5	15
	15 - 17	19.7	14.7	5.6	3.2	3.3	1.1	.8	1.1	1.2	6.2	14.4	14.4	7.1	15
	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ALL	22.6	24.3	12.4	7.3	4.8	3.3	3.0	5.1	11.9	16.6	21.2	16.4	12.3	15
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	3.3	4.4	6.0	2.7	.7	1.1	.9	3.2	8.9	13.7	7.5	.6	4.4	15
	09 - 11	3.6	4.0	2.9	.5	.0	.0	.0	.1	1.3	5.0	3.8	1.9	1.9	15
	12 - 14	1.2	1.5	.4	.0	.0	.0	.0	.1	.0	.7	.8	1.3	.5	15
	15 - 17	2.1	.9	.0	.3	.2	.0	.0	.0	.0	.5	.5	.0	.4	15
	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ALL	2.5	2.5	2.0	.8	.2	.3	.2	.9	2.5	4.7	2.9	1.0	1.7	15
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @															

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